

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK  
 DRILL  DEEPEN  PLUG BACK

b. TYPE OF WELL  
 OIL WELL  GAS WELL  OTHER   
 SINGLE ZONE  MULTIPLE ZONE

2. NAME OF OPERATOR  
 Phillips Petroleum Company

3. ADDRESS OF OPERATOR  
 P.O. Box 2920 Casper, WY 82602

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)\*  
 At surface 820' FSE, 1820' FWL (SE SW)  
 At proposed prod. zone Same

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*  
 Approximately 5 miles south of Montezuma Creek, Utah

15. DISTANCE FROM PROPOSED\* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any)  
 820' north of Rutherford unit lease line

16. NO. OF ACRES IN LEASE  
 2534 acres

17. NO. OF ACRES ASSIGNED TO THIS WELL  
 40 acres

18. DISTANCE FROM PROPOSED LOCATION\* TO NEAREST WELL, DRILLING COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.  
 1170' east of #20-14

19. PROPOSED DEPTH  
 5700'

20. ROTARY OR CABLE TOOLS  
 Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)  
 4859' ungraded ground

22. APPROX. DATE WORK WILL START\*  
 August 1983

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17-1/2"	13-3/8"	48#	100'	150 sx Class B (to surface)
12-1/4"	9-5/8"	36#	1600'	400 sx HLC & 400 sx Class B (surface)
8-1/2"	7"	20#, 23#, & 26#	5700'	1000 sx est (T.O.C. Approx. 2000 ft)

5. LEASE DESIGNATION AND SERIAL NO.  
 14-20-603-353

6. IF INDIAN, ALLOTTEE OR TRIBE NAME  
 Navajo

7. UNIT AGREEMENT NAME  
 SW-I-4192

8. FARM OR LEASE NAME  
 Rutherford Unit

9. WELL NO.  
 #20-24

10. FIELD AND POOL, OR WILDCAT  
 Greather Aneth

11. SEC., T., E., M., OR BLK. AND SURVEY OR AREA  
 Sec. 20-T41S-R24E

12. COUNTY OR PARISH  
 San Juan

13. STATE  
 Utah

RECEIVED  
 JUL 29 1983  
 DIVISION OF  
 GAS & MINING

Approval is requested to drill Rutherford Unit #20-24, a Desert Creek Development oil well, to increase the ultimate recovery from the Rutherford Unit.

BOP equipment will be operated daily and tested weekly.

APPROVED BY THE STATE

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24. SIGNED: A. E. Stuart TITLE: Area Manager DATE: July 28, 1983

(This space for Federal or State office use)

PERMIT NO. \_\_\_\_\_ APPROVAL DATE \_\_\_\_\_

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_

CONDITIONS OF APPROVAL, IF ANY:

5- Minerals Management Service, Farmington, NM

- Utah O&C CC S.L.C. Utah
- 1- J.L. Whitmire (r) T.C. Doughty
- 1- G.W. Berk

1-file

Form 9-331C & Location plat only -B. Co  
 Form 9-331C & Location plat only -R.C



PHILLIPS PETROLEUM COMPANY

P. O. Box 2920  
Casper, Wyoming 82602

July 20, 1983

Minerals Management Service  
Oil & Gas  
P. O. Drawer 600  
Farmington, NM 87401

Re: Phillips' Ratherford Unit  
San Juan County, Utah  
Well #20-24  
NTL-6

Gentlemen:

The following multi-point surface use and operations plan covering the drilling, completion, and operation of development well, Ratherford Unit #20-24, operated by Phillips Petroleum Company, is submitted for your approval, contingent on securing residents approval.

1. Ratherford Unit #20-24  
Sec. 20-T41S-R24E  
820' FSL 1820' FWL (SE, SW)
2. Elevation: 4859' ungraded ground
3. The surface formation of Well #20-24 is the Dune Sand, which consists of loose wind-blown sand, age-recent.
4. A standard rotary rig with National 50-A (or equivalent) drawworks, 127' derrick, and a 9' steel substructure of 850,000# capacity will be used.
5. The proposed drilling depth is 5700'.
6. Estimated formation tops:

Chinle . . . . .	1570'
Shinarump . . . . .	2400'
DeChelly . . . . .	2700'
Hermosa . . . . .	4620'
Paradox . . . . .	5550'

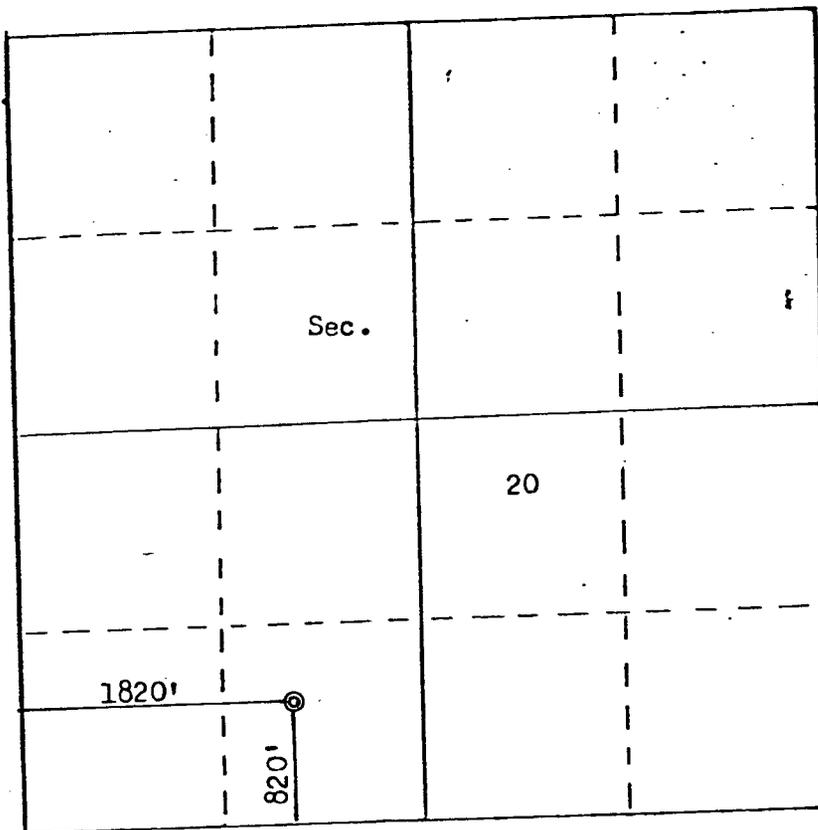
COMPANY PHILLIPS PETROLEUM COMPANY

LEASE RATHERFORD UNIT WELL NO. 20-24

SEC. 20, T. 41S, R. 24E  
San Juan County, Utah

LOCATION 820'FSL 1820'FWL

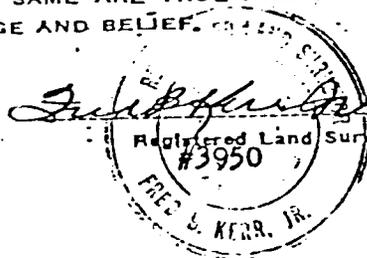
ELEVATION 4859' ungraded ground



SCALE—4 INCHES EQUALS 1 MILE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTE OF ACTUAL SURVEYS MADE BY ME UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

SEAL:



SURVEYED December 21, 1981



7. Brackish water-bearing sands are expected in the Navajo, Wingate, and DeChelly formations. Oil is expected to be encountered in the Ismay and Desert Creek formations.
8. Proposed casing and cementing program:  
  
Surface Casing: 100' of 13-3/8", 48 lb. per foot, H-40, new condition. Cement with Class B containing 1/4# Flocele, and 3% CaCl<sub>2</sub>, estimate 150 sx.  
  
Intermediate Casing: 1600' of 9-5/8", 36# K-55 ST&C, new condition. Cement with "light" cement, containing 2% CaCl<sub>2</sub> and 1/4# Flocele. Tail in with Class B containing 2% CaCl<sub>2</sub> and 1/4#/sx. Flocele. Anticipated cement volume is 400 sx light and 400 sx Class B cement.  
  
Production Casing: 5700' of 7", 26#, 23#, and 20# K-55 ST&C, new condition. Lead with "light" cement containing 10% salt, 1/4# Flocele, and 10 lbs. Gilsonite/sx. Tail in with Class B containing 3/4 of 1% CFR-2, 18% salt, and 1/4# Flocele/sx. For cement volume, caliper will be used with 15% excess. The top of cement should be around 2000'.
9. Blow-out preventers will be 10" series 900 equipment, to be tested initially to 3000 psi; operated daily, and tested weekly to 1500 psi. BOP tests will be conducted on the first trip out of the hole after 12:01 AM on each Tuesday, will be supervised by Phillips and the Drilling Contractor's supervisors and recorded on the Daily Drilling Report, which will remain on the rig floor during drilling operations. BOP tests will be conducted in accordance with Phillips' standards, copy attached.
10. Drilling fluid will be a "fresh" water base mud system. Spud mud is gel and water with a weight of 8.4-8.8 ppg. From the surface to approximately 1600', gel and water will be used, with Flosal sweeps if required to run casing. Mud weight may be up to 9 ppg to control water flow from the Wingate formation. A slurry of 8.6-9.5 ppg, 32-38 viscosity, and less than 15cc/30 min. water loss will be used from 1600'-5200'. Mud weight may be increased to 10.4 ppg if a water flow is encountered. From 5200' to total depth mud properties will be 10.5-12.5 ppg, 40-45 viscosity, and below 10 cc water loss.
11. Auxiliary equipment will include upper and lower kelly cocks, a drill string safety valve, and a pit level indicator.
12. The logging program will consist of a DILL from T.D. to the surface casing, and a FDC/CNL with G.R. and caliper from T.D. to 4300'. The caliper will be pulled to surface casing. A temperature or cement bond log will be run to determine cement top. No coring or drill stem tests are planned.

13. No abnormal pressures and temperatures, or hydrogen sulfide are anticipated.
14. Drilling operations are estimated to take twenty-two days per well. It is planned to commence operations the third quarter of 1983.

Multi-Point Surface Use and Operations Plan

1. Existing lease roads are shown on the attached area lease road map. Access to existing lease roads is south of the town of Montezuma Creek, Utah.
2. Planned access roads are shown on the attached maps. No new lease road will be built.
3. Locations of existing wells are shown on the attached maps.
4. Production from the proposed well will be piped to Ratherford Unit Tank Battery #1, located in the SW SW Sec. 16-T41S-R24E San Juan County, Utah. The flowline will be of welded steel construction, visible from the existing lease roads. No additions to battery equipment are anticipated.
5. Drilling water will be trucked from the NE/4 Sec. 5, River Booster, or the SE/4 Sec. 17, Injection Plant, T41S-R24E San Juan County, Utah. Existing wells will pump water thru an existing line to the proposed loading point.
6. All construction materials will be native soil originating on the proposed road and drilling location.
7. Waste materials will be disposed of in a burial pit located on the drilling location. The pit will be approximately 10' x 20' x 10' and will be fenced with small mesh wire, during drilling operations. The drilling location will be cleaned of all trash and the burial pit will be closed immediately after moving the drilling rig off location.

Drilling fluids and cuttings will be held in a fenced unlined reserve pit until dry enough to cover. Upon abandonment, the reserve pit area will be back filled, shaped to the natural topography, and seeded.

A dry chemical toilet will be used during drilling operations.

8. No ancillary facilities are required.
9. The wellsite layout is attached. Laydown of the rotary drilling rig will be to the north-east. A cross section of the drill site showing cuts and fills is attached.
10. All disturbed areas, not needed for production operations, will be shaped to the natural topography and seeded.
11. The proposed drilling location is rocky with sandy bentonite type soil, sloping to the north. Vegetation on the proposed location consists of sparse grass, fourwing salt brush, bitter brush and yucca.

All access roads are on the Navajo Indian Reservation. No dwellings are in the proposed drilling area.

A copy of the Archaeological Survey Report is attached.

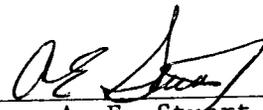
12. Lessee's or Operator's representative:

T. M. Isaacs  
Phillips Petroleum Company  
P. O. Box 1150  
Cortez, Colorado 81321

Phone: 303-565-3426

13. Certification:

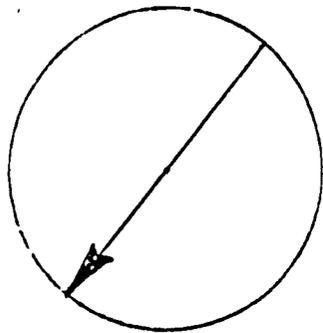
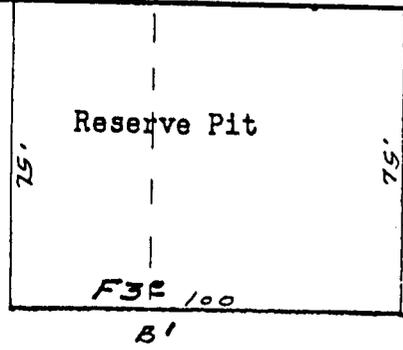
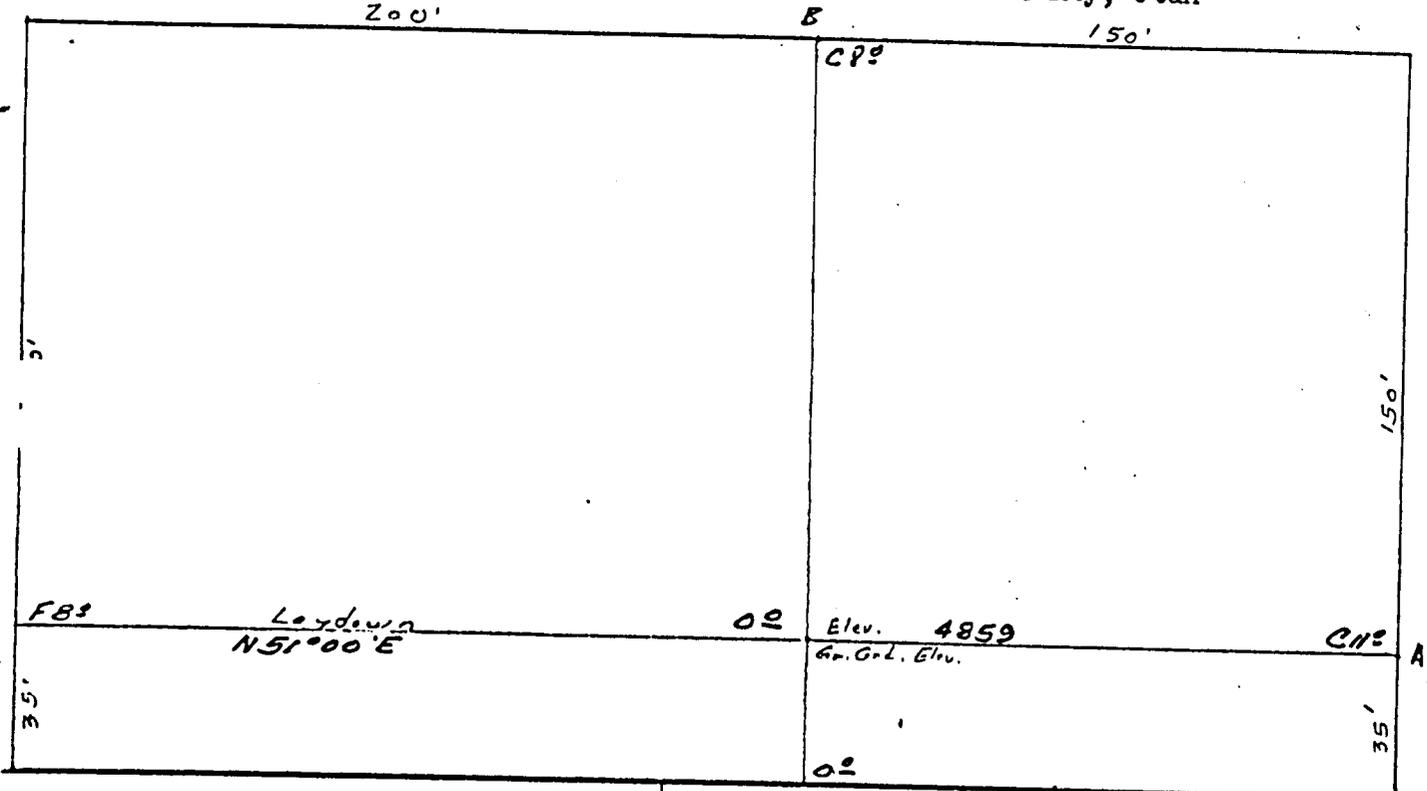
I hereby certify that I, or persons under my direct supervision, have inspected the proposed drillsite and access road; that I am familiar with the conditions which presently exist; and the statements made in this plan are, to the best of my knowledge, true and correct; and, that the work associated with the operations proposed herein will be performed by the drilling company awarded the drilling contract and its contractors and sub-contractors in conformity with this plan and the terms and conditions under which it is approved.



A. E. Stuart  
Area Manager

7/20/83  
Date

Phillips Petroleum Co #20-24 Ratherford Unit  
 820' FSL 1820' FWL Sec. 20-41S-24E  
 San Juan County, Utah



Date: 12-21-81  
 Kerr Land Surveying

A-A' & Vert. 1-30 Horiz 1-

4870				
4860				
4850				

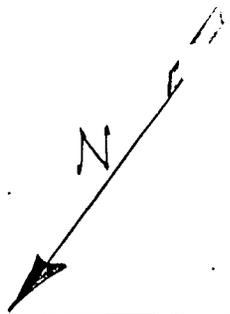
B-B' &

4870				
4860				
4850				

C-C' &


Kerr Land Surveying Inc.

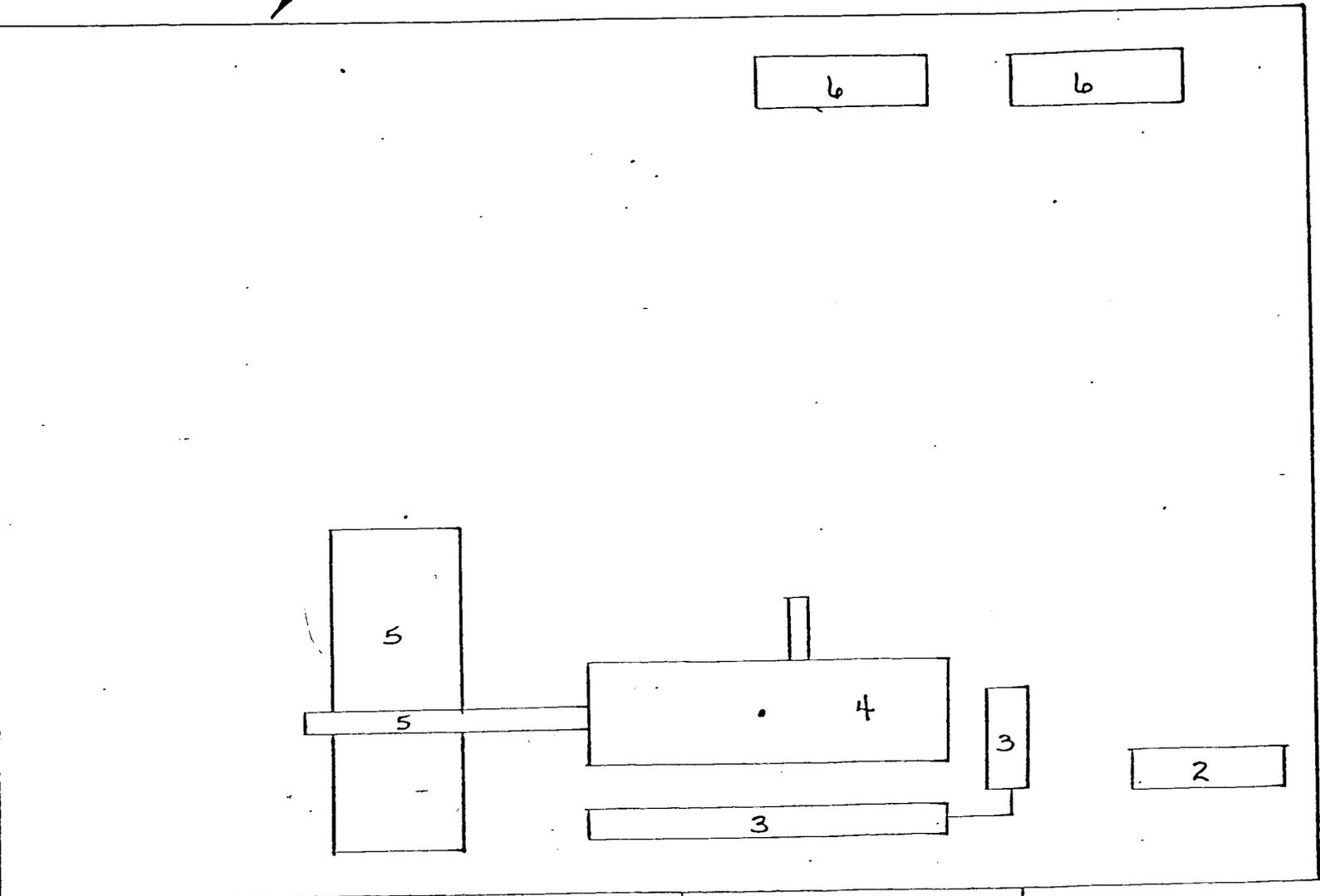
Date: \_\_\_\_\_



RATHERFORD UNIT

#20-24

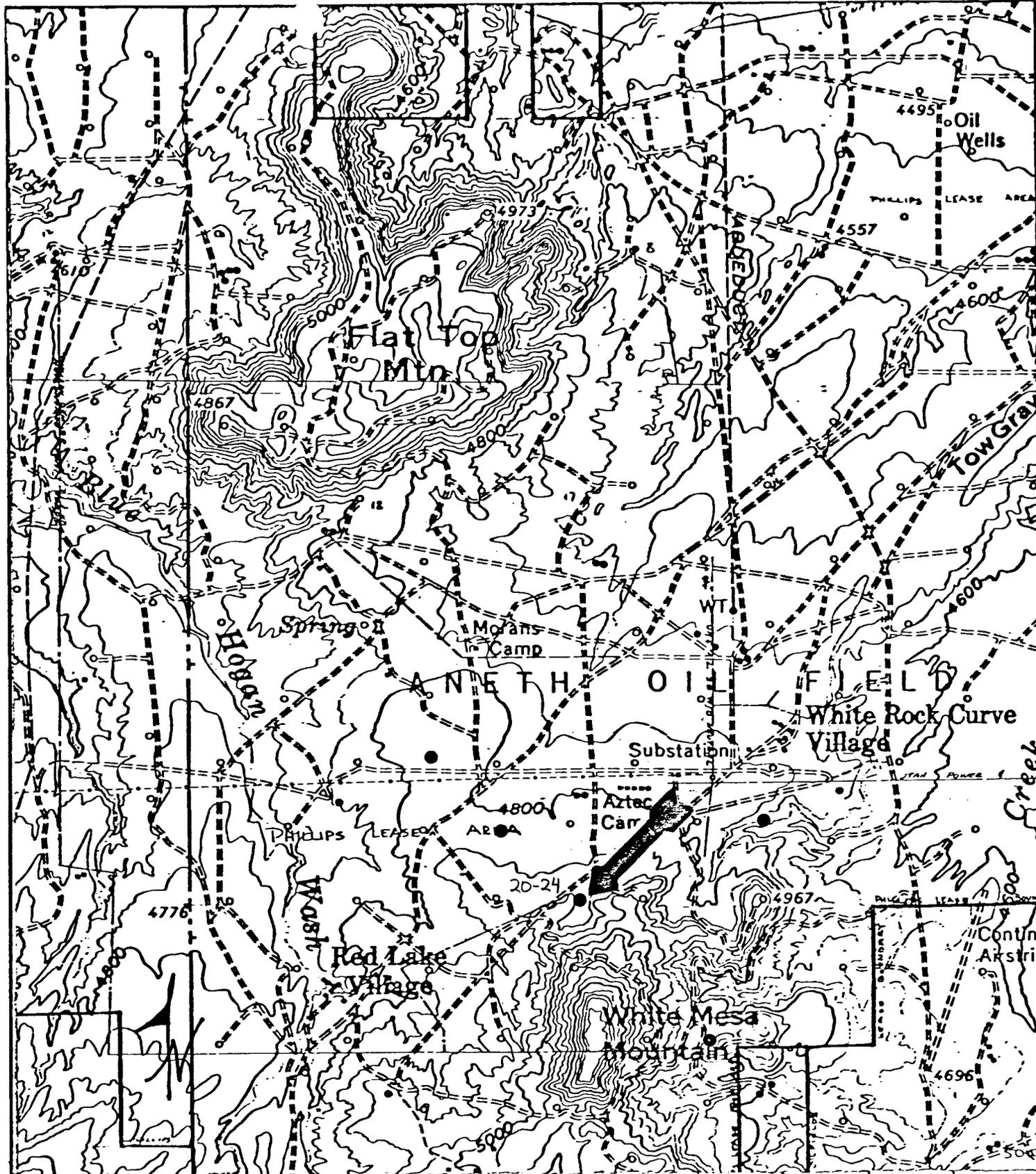
SE SW SEC. 20-T41S-R24E



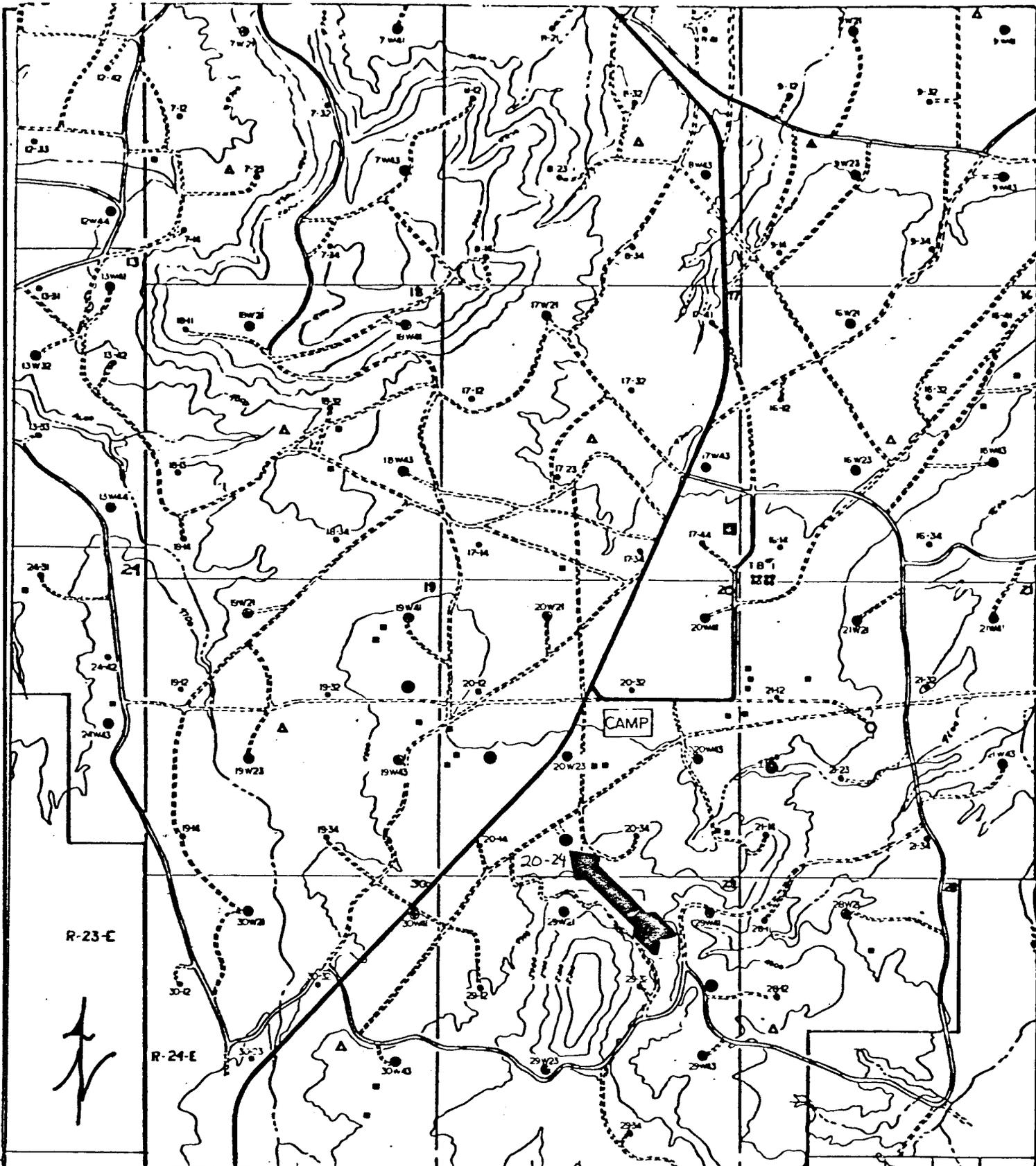
- 1. RESERVE PIT
- 2. TRASH PIT
- 3. CIR. PITS & PUMP
- 4. RIG
- 5. CAT WALK & PIPE RACKS
- 6. TRAILERS

DRILLING RIG LAYOUT

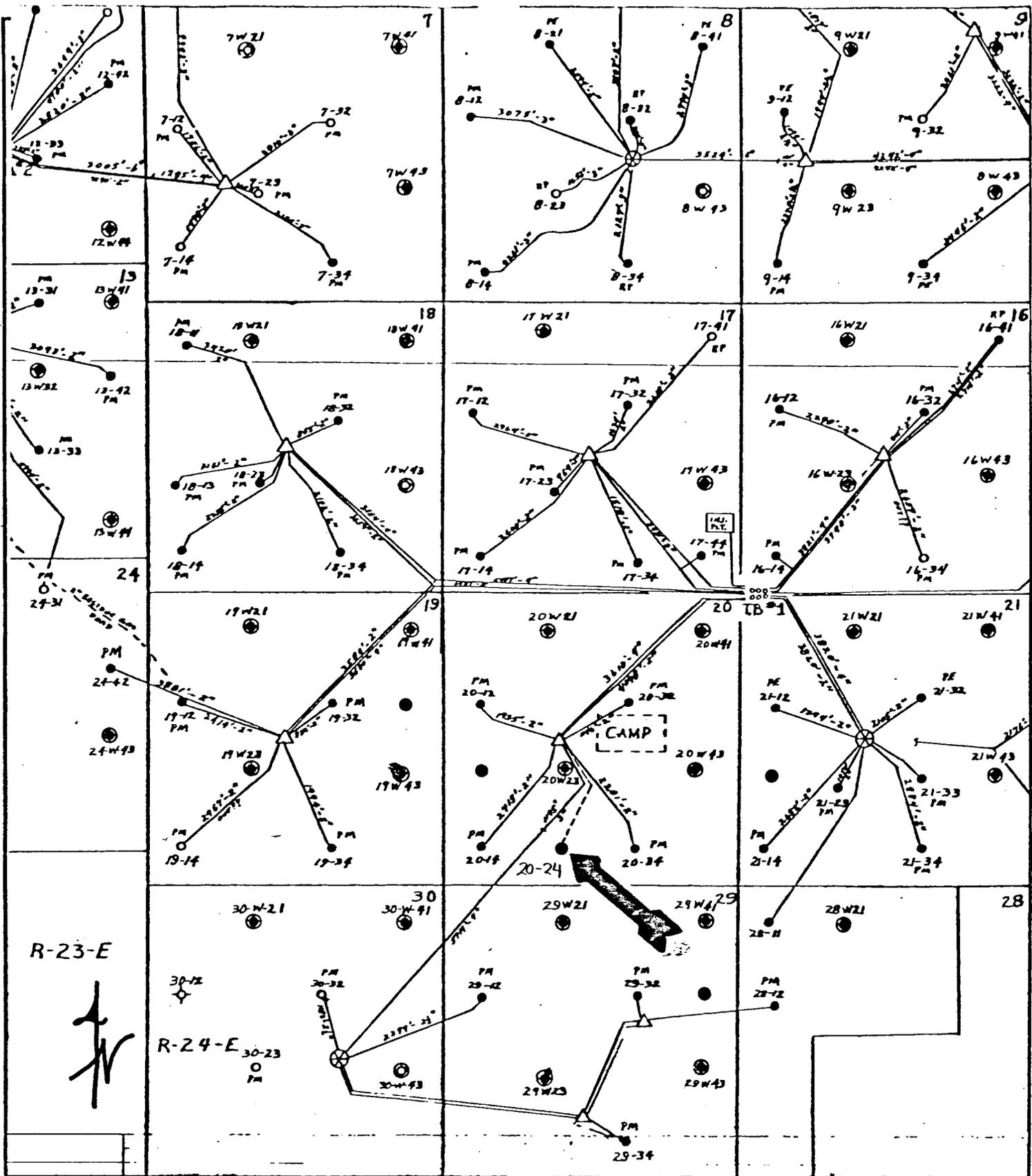
OUTLINE OF LOCATION APPROXIMATELY 250' x 350'  
NOT TO SCALE.



NO.	REVISION	BY	DATE	CHKD	APP'D
FOR BIDS	 <b>PHILLIPS PETROLEUM COMPANY</b> 	JA NO.	FILE CODE		
FOR APPR		AFE NO.	SCALE		
FOR CONST			2 1/4" = 1 MI.		
DRAWN	CJW	<b>RATHERFORD UNIT WELL 20-24</b> <b>PROPOSED</b> <b>SE SW SEC. 20 - T 41 S - R 24 E</b> <b>SAN JUAN CO., UTAH</b>			DWG NO.
CHECKED					SH NO.
APP'D					



NO.	REVISION	BY	DATE	CHKD	APP'D
FOR BIDS	PHILLIPS PETROLEUM COMPANY			JA NO.	FILE CODE
FOR APPR				AFE NO.	SCALE
FOR CONST	RATHERFORD UNIT WELL 20-24 PROPOSED ROAD PLAT SE SW SEC. 20-T41S-R24E SAN JUAN CO., UTAH			$2\frac{1}{4}'' = 1MI$	
DRAWN	CJW	DWG NO.			
CHECKED		SH NO.			
APP'D					

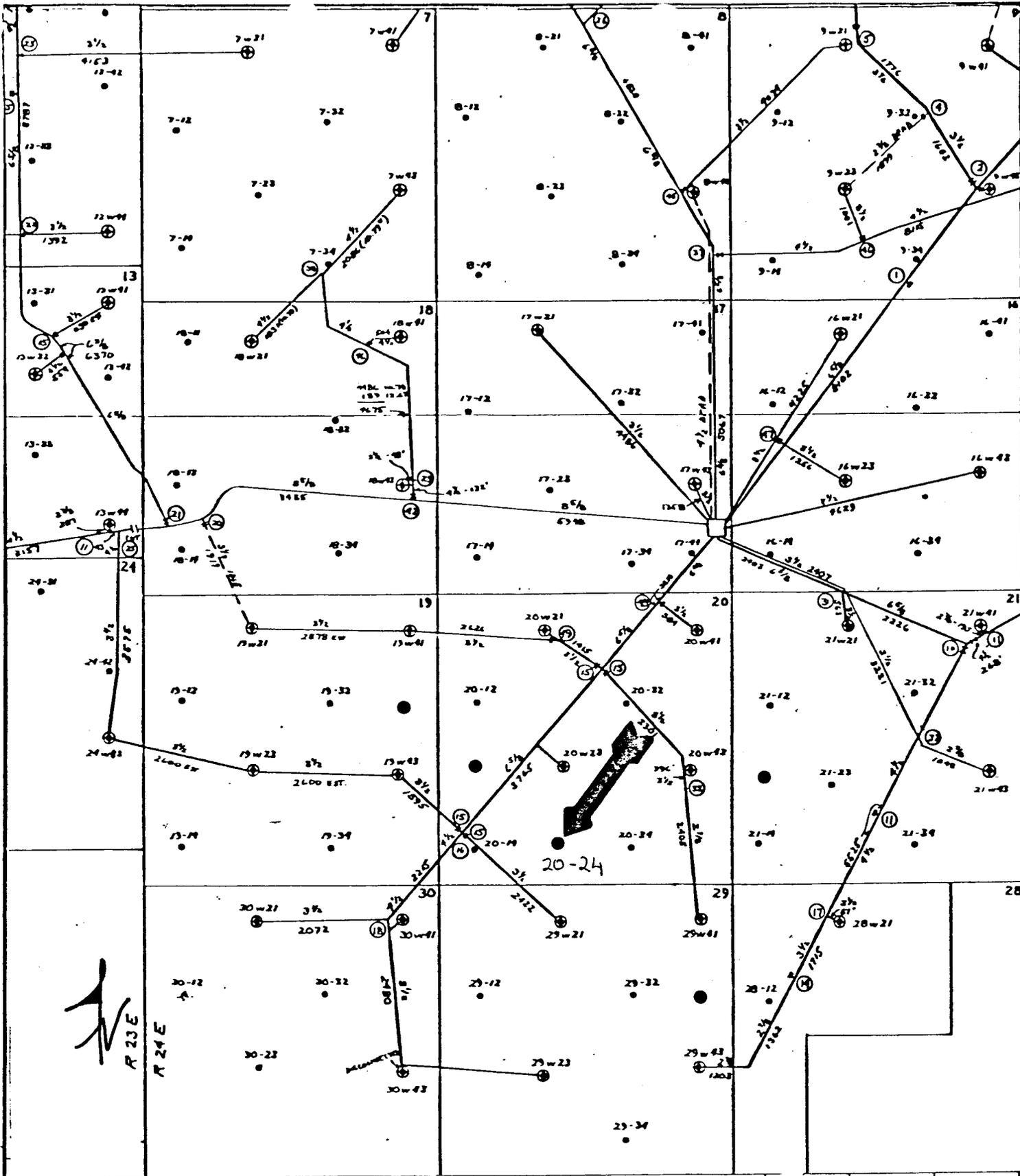


R-23-E

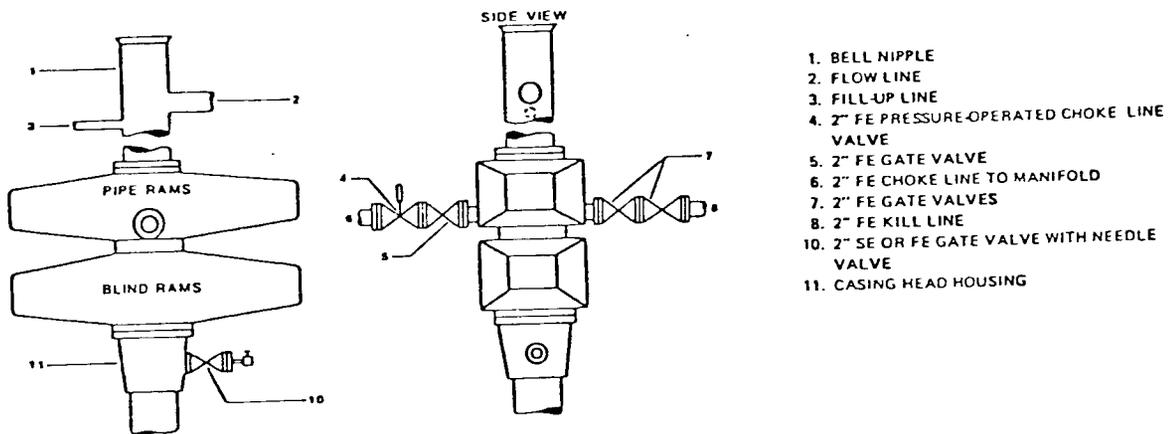
*Handwritten signature*

R-24-E

NO.	REVISION	BY	DATE	CHKD	APP'D
FOR BIDS	PHILLIPS PETROLEUM COMPANY			J.A. NO.	FILE CODE
FOR APPR	 <b>RATHERFORD UNIT WELL 20-24</b> PROPOSED LEAD LINE SE SW SEC. 20-T4IS-R24E SAN JUAN CO., UTAH			A.F.E. NO.	SCALE 2 1/4" = 1 MI.
FOR CONST				DWG NO.	SH NO.
DRAWN	CJW				
CHECKED					
APP'D					



NO.	REVISION	BY	DATE	CHKD	APP'D
FOR BIDS	 PHILLIPS PETROLEUM COMPANY 	JA NO.		FILE CODE	
FOR APPR		AFE NO.		SCALE 2 1/4" = 1 Mi	
FOR CONST		DWG NO.		SH NO.	
DRAWN	CJW	RATHERFORD UNIT WELL 20-24 INJECTION LINES SE SW SEC. 20-T4IS-R24E SAN JUAN CO., UTAH			
CHECKED					
APP'D					



1. BELL NIPPLE
2. FLOW LINE
3. FILL-UP LINE
4. 2" FE PRESSURE-OPERATED CHOKE LINE VALVE
5. 2" FE GATE VALVE
6. 2" FE CHOKE LINE TO MANIFOLD
7. 2" FE GATE VALVES
8. 2" FE KILL LINE
10. 2" SE OR FE GATE VALVE WITH NEEDLE VALVE
11. CASING HEAD HOUSING

Figure 7-10. Standard Hydraulic Blowout Preventer Assembly  
(2 M or 3 M Working Pressure) Alternative 3 (without Drilling Spool)

Well Control 4  
January/83

PHILLIPS PETROLEUM COMPANY



Page 251  
Section II

BLOWOUT PREVENTER TESTING PROCEDURE

A. INITIAL INSTALLATION TEST FOR INSTALLATIONS AS SHOWN ON FIGURE NO. 7 -  
TWO RAM UNITS

After all blowout preventers, regular choke lines, valves, bell nipples, and flow lines are rigged up, the following steps are to be carried out with no exceptions: (Emergency choke and kill lines are not to be connected below the bottom preventer at this time.)

reparations  
for Test  
Steps 1-9.

1. Inspect all flanges to see if all bolts are in place and tight.
2. Check all opening and closing lines to preventers to see if they are correctly placed, hooked up, and tight.
3. Check to see that all control valves are properly marked.
4. Open bradenhead valves and wash inside of preventers with water from the top. No lines are to be connected to the bradenhead at this time.
5. Connect water into suction of mud pump and pump water through kill line and out bradenhead valves until water clears up.
6. Connect test line in place of kill line.

A. INITIAL INSTALLATION TEST FOR INSTALLATIONS AS SHOWN ON FIGURE NO. 7  
TWO RAM UNITS (Contd.)

7. Connect kill line to one bradenhead valve and open valve.
8. Close other bradenhead valve.
9. Fill preventers with water.
10. Close blind rams with 1,500 psi.
11. Check closing line and preventer for leaks.
12. Pressure up casing with mud pump to pressure required to test casing using water. Hold for 10 minutes.
13. Check bradenhead, bradenhead valve flanges, and blind rams for leaks.
14. Install a pressure gauge on the bradenhead valve opposite where the kill line is tied on.
15. Open bradenhead valve to read casing pressure.
16. Close bradenhead valve on side where kill line is tied on.
17. Release pressure on kill line.
18. Disconnect kill line from bradenhead valve.
19. Check bradenhead valve for leaks on the side where the kill line was disconnected. See that casing pressure has not dropped below the required test pressure.
20. Remove pressure gauge and bleed down casing.
21. Close bradenhead valve(s).
22. Open blind rams with 1,500 psi.
23. Check opening line and preventer for leaks.
24. Disconnect kill line from bradenhead valve and open both bradenhead valves.
25. Run test plug in on a joint of drill pipe, set in seat.

NOTE: Test plug to be fabricated so that there will be enough clearance between plug and pipe rams to clear tool joint when closed on joint of drill pipe made up in plug. The plug must be drilled so there is communication between inside of drill pipe and top of plug above seal surface.

Casing  
Blind Ram  
and Braden-  
head Test  
Steps 10-24

BOP Stack  
and Choke  
Line Test  
Steps 25-38

A. INITIAL INSTALLATION TEST FOR INSTALLATIONS AS SHOWN ON FIGURE NO. 7  
TWO RAM UNITS (Contd.)

26. Install safety valve and kelly on top of drill pipe.
27. Fill preventers with water.
28. Open all valves on choke lines and check to see that water is flowing through each outlet. Let run until clear. Open valves on kill line side of spool.
29. Close outside valves on choke lines making sure they are full of water and have no trapped air.
30. Refill preventers if necessary.
31. If Hydril is used in place of upper ram type preventer, close 1" plug valve on closing line. Test to 1,500 psi. Inspect valve for leaks. Release pressure. Open valve.
32. Close pipe rams or Hydril with 1,500 psi.
33. Check closing line and preventer for leaks.
34. Open stand pipe valve, kelly cock, and safety valve, and fill kelly with water.
35. Close kelly cock.
36. If Hydril is used, reduce closing pressure to that recommended on page 56. Closing pressure may be increased as required to effect a seal up to a maximum of 1,500 psi.
37. Pressure up to working pressure of preventers through test line. For maximum Hydril packing unit life, as the test pressure builds up, reduce the closing pressure and later apply opening pressure per applicable schedule starting on page 57, provided a schedule is listed for the Hydril in use. Hold test pressure for 10 minutes.
38. Check all valves, flanges, and seals that are under pressure for leaks and tighten if necessary. Check test plug for leak.
39. Close second valve from hole on choke line. Open outside valve on full opening line. Hold pressure for one minute.
40. Check to see if valve leaks.
41. Close inside valve on choke line. Open second valve out on choke line. Hold pressure for one minute.
42. Check to see if valve leaks.

Choke and  
Kill Valve  
Tests  
Steps 39-55

A. INITIAL INSTALLATION TEST FOR INSTALLATIONS AS SHOWN ON FIGURE NO. 7  
TWO RAM UNITS (Contd.)

43. Close safety valve and open kelly cock.
44. Check safety valve for leaks.
45. Close inside valve on kill line side. Open inside valve on choke line side. Hold pressure for one minute.
46. Check to see if valve leaks.
47. Close second valve out on kill line. Open inside valve on kill line. Hold pressure for one minute.
48. Check to see if valve leaks.
49. Open second valve out on kill line. Close inside valves on kill line and choke line.
50. Disconnect test line; connect kill line.
51. Open pipe rams (or Hydril) with 1,500 psi.
52. Check opening line and preventer for leaks.
53. Pull plug out of hole.
54. Close bradenhead valves.
55. Record test on drilling report.

B. RAM CHANGE TEST FOR INSTALLATIONS AS SHOWN ON FIGURE NO. 7 OR 8 -  
TWO RAM UNITS

If Hydril is used in place of upper ram type preventer, ram change test is not required since no change will be made in preventer assembly to run casing.

Preparations  
Steps 1-2

1. After getting out of hole, open choke line valves and drain mud out of preventers. No lines are to be connected to Figure 7 bradenhead valves at this time.

2. Wash inside of preventers from top with water.

3. Close blind rams.

4. Open bonnets or doors on upper ram type preventer.

5. Remove drill pipe rams.

6. Install rams to fit casing.

Ram Change  
Steps 3-9

B. RAM CHANGE TEST FOR INSTALLATIONS AS SHOWN ON FIGURE NO. 7 OR 8 - TWO RAM UNITS (contd.)

7. Close bonnets or doors, checking all seals and "O" rings.
8. Tighten up all bolts and inspect preventer to see that bonnets or doors are closed, steel to steel.
9. Open blind rams.

Casing Ram Test  
Steps 10-22

10. Install test plug and test line on extra joint of casing the same size that is to be run. Casing joint used must be of sufficient strength to withstand test pressures. The crossover connections used to get from casing joint to test plug must be short enough to permit the casing rams to close against casing.
11. Set test plug in casing spool.
12. Fill preventers with water.
13. Close casing rams.
14. Purge air from casing joint.
15. Pressure up through casing joint to working pressure of preventers. Hold for 10 minutes.
16. Check for leaks in all flanges and seals that hold pressure, especially bonnet or door seals on preventer changed.
17. Release pressure.
18. Open casing rams.
19. Pull test plug out of hole.
20. Close choke line valve.
21. Change sign on valve on blowout preventer closing manifold that controls casing rams to indicate casing rams instead of drill pipe rams.
22. Record test and ram changes in drilling report.

C. WEEKLY TEST PROCEDURE FOR INSTALLATIONS AS SHOWN ON FIGURE 7 - TWO RAM UNITS

Preparations  
for Test  
Steps 1-10

1. Inspect all flanges to see if all bolts are in place and tight.
2. Check all opening and closing lines to preventers to see if they are correctly placed, hooked up, and tight.

C. WEEKLY TEST PROCEDURE FOR INSTALLATIONS AS SHOWN ON FIGURE 7 - TWO  
RAM UNITS (contd.)

3. Remove kill line and install test line in flange outside of second valve on the kill line side of the drilling spool.
4. Open valves on bradenhead and wash inside of preventers with water from the top. No lines are to be connected to the bradenhead at this time.
5. Run test plug in on a joint of drill pipe and set in seat.
6. Install safety valve and kelly on top of drill pipe.
7. Fill preventers with water.
8. Open all valves on choke lines and check to see that water is flowing through each choke line and full opening line. Let run until it clears up.
9. Close all outside valves on choke line, making sure they are full of water and do not have air trapped in them.
10. Refill preventers if necessary.
11. Close pipe rams (or Hydril, if used in place of upper ram type preventer).
12. Check closing line and preventer for leaks.
13. Open stand pipe valve, kelly cock, and safety valve, and fill kelly with water.
14. Close kelly cock.
15. If Hydril is used, reduce closing pressure to that listed on page 56. This may be increased as required up to a maximum of 1,500 psi.
16. Pressure up to 1/2 working pressure of preventers. For maximum Hydril packing unit life, as the test pressure builds up, reduce the closing pressure and later apply opening pressure per applicable schedule starting on page 57, provided a schedule is listed for the Hydril in use. Hold test pressure for 10 minutes.
17. Check for leaks.
18. Close safety valve and open kelly cock.
19. Check safety valve for leaks.

BOP Stack and  
Kelly Cock Test  
Steps 11-17

Safety Valve  
Test  
Steps 18-24

C. WEEKLY TEST PROCEDURE FOR INSTALLATIONS AS SHOWN ON FIGURE 7 -  
RAM UNITS (Contd.)

20. Release pressure.
21. Open pipe rams (or Hydril)
22. Pull plug out of hole.
23. Close bradenhead valves.
24. Record test on drilling report.

BLOWOUT PREVENTER TESTING PROCEDURE

A. INITIAL INSTALLATION TEST FOR INSTALLATIONS AS SHOWN ON FIGURE NO. 8  
TWO RAM UNITS - LOW SUBSTRUCTURE

After all blowout preventers, choke lines, valves, bell nipples, and flow lines are rigged up, the following steps are to be carried out with no exceptions:

1. Inspect all flanges to see if all bolts are in place and tight.
2. Check all opening and closing lines to preventers to see if they are correctly placed, hooked up, and tight.
3. Check to see that all control valves are properly marked.
4. Remove kill line and open all valves on bradenhead.
5. Open all valves on choke manifold and wash inside of preventers with water from the top. Check to see that water is flowing through each choke line and kill line.
6. Close outside valves on kill line side and on choke lines.
7. Install test line in flange on outside of second valve on kill line side of bradenhead.
8. Fill preventers.
9. Open outside valve on kill line side and pump through test line until all air is purged.
10. Close inside valve on kill line side.
11. Pressure up to working pressure of preventers. Hold for one minute.
12. Check for leaks.

Preparations  
Steps 1-10

Kill Line  
Outlet  
Valves  
Test  
Steps 10-16

## FIELD PRACTICES AND STANDARDS

### 7.6 Testing Surface Blowout Preventer Equipment

#### 7.6.1 Pressure Test Frequency

All rams, annulars, valves, choke and kill lines, choke manifold, kelly cocks, and safety valves shall be pressure tested at the following frequencies:

- (1) Initial installation of blowout preventers.
- (2) After setting casing, before drilling cement.
- (3) Every 7 days or on first trip out of hole after 7 days since previous pressure test.
- (4) After any component of the blowout preventer assembly is disturbed, replaced or repaired (this includes lines, valves, or choke manifold). In this case, the component changed may be the only component tested.
- (5) Prior to conducting first drill stem test in a series of one or more DST's.
- (6) Any time the Phillips Wellsite Supervisor deems necessary, such as prior to drilling into suspected high pressure zones.



## FIELD PRACTICES AND STANDARDS

### 7.6.2 Function Test Frequency

All rams, annulars, valves, and other items specified below, shall be function tested at the following frequencies.

- (1) On initial installation from driller control and remote panel.
- (2) Each trip out of hole alternating between driller's and remote control panel but not more than once every twenty-four (24) hours. Close pipe rams or annular preventer ONLY on drill pipe.

### 7.6.3 Test Pressures

Use the following table to identify which test is appropriate and at what pressure.

TEST	DESCRIPTION
Low Pressure	Test to 200-300 psi prior to each high pressure test.
Initial Installation	<p>Test all rams, annulars, valves, choke manifold, kelly cocks, and safety valves to the lesser of the following pressures.</p> <ul style="list-style-type: none"><li>. Rated working pressure of the component in the blowout preventer assembly with the exception of annular preventer which is to be tested to 70% of the rated working pressure.</li><li>. The API rated casing burst pressure of the last casing to be utilized in the well with the BOP assembly being tested.</li><li>. Rated working pressure of the casing head.</li><li>. If "Cup Tester" is used do not exceed 80% of the API rated burst pressure of the casing.</li></ul>
Repair	Repaired or replaced components are to be tested to the same pressures used in the Initial Test.



## FIELD PRACTICES AND STANDARDS

### 7.6.3, cont'd

TEST	DESCRIPTION
Weekly and After Setting Casing	<p>Test all rams, annulars, valves, choke and kill lines, choke manifold, kelly cocks, and safety valves, to the lesser of the following pressures.</p> <ul style="list-style-type: none"> <li>. 50% of the rated working pressure of the component to be tested.</li> <li>. 80% of the API rating of the casing burst pressure then in the well.</li> <li>. Test blind rams during internal casing pressure test. (Refer to drilling program for test pressures).</li> </ul>
DST Operations	<p>Test all pipe rams, annular preventers, valves, choke and kill lines, choke manifold, kelly cocks, and safety valves to the maximum anticipated surface pressure expected while conducting drill stem tests. Do not test annular to more than 70% of its working pressure.</p>
Shallow Casing	<p>Where cased hole is less than 2000 feet measured depth, the test pressure may be 1.5 psi per foot of casing depth, not to exceed 80% of the API rated burst pressure. In the case of shallow conductor casing or drive pipe (500 feet or less) that is equipped with one BOP, then the test pressures do not need to exceed 1.0 psi per foot of casing depth.</p>
Accumulator	<p>Test accumulator to the manufacturer's rated working pressure. Test the accumulator for time to pump up to specifications.</p>

### 7.6.4 Blowout Preventer Test Practices

- (1) All pressure tests shall be witnessed by Phillips' Representative and the Contractor's Senior Supervisor on Location. All tests shall be recorded on the Phillips' Daily Drilling Report, the IADC Report and the BOP Test Form; see Figure 7-13. A reproducible copy of the BOP Test Form (Figure 7-13) can be found in Section III.



7.6.4, cont'd

- (2) Hold all low pressure tests for three minutes and high pressure tests for five minutes or until Phillips Representative and the Contractor's Senior Supervisor are satisfied no leaks exist.
- (3) A detail procedure for the testing of blowout preventer and choke manifold equipment will be included in the drilling programs. The procedure is to be distributed for each drilling unit under contract by the operating office. Each operating office must include the following practices:
  - a. Prior to testing, all lines and valves will be thoroughly flushed to ensure the system is clear. Test all opening and closing control lines to 1500 psi and inspect for leaks.
  - b. If necessary, run a stand of drill collars below the test plug to prevent unseating the test tool during testing.
  - c. All precautions must be taken to avoid pressuring the casing below the test tool.
  - d. The running string is to be full of water (or antifreeze solution) for immediate indication of test tool leakage.
  - e. All pipe rams, blind/shear rams, blind rams, annular preventers, valves, fail-safe valves, choke and kill lines are to be tested at the frequencies and pressures outlined in this section.
  - f. Drill pipe safety valve, lower and upper kelly cocks are to be tested from below at pressures and frequencies outlined in this section.
  - g. All test fluids are to be bled back to the pump unit in safe manner.

7.6.5 Testing Wellhead Pack-offs

The wellhead pack-off is to be pressure tested upon installation for five minutes. Test pressure is to be 80% API rated casing collapse or the rated working pressure of the casing head whichever is the lesser. Casing annulus valve(s) must be in open position to prevent casing collapse during pack-off testing.

When testing the wellhead pack-off, use recorded test pressures and volumes to determine if pack-off is leaking. Pressure should be immediately released at the first indication of a leak.



## FIELD PRACTICES AND STANDARDS

### 7.6.6 Safety Precautions

One pumping unit operator is to be stationed at the high pressure pumping unit, and is to remain at this station until all testing has been completed. The pump unit operator is to be in continuous communication with the person who is recording the test data. The Phillips Wellsite Supervisor and Contractor's Senior Supervisor on location will be the only personnel who will go into the test area to inspect for leaks when the equipment involved is under pressure. The rig crews are to stay clear of the area until such time that both the Phillips Wellsite Supervisor and the Contractor's Senior Supervisor have contacted the pumping unit operator and all three have agreed that all pressure has been released, and there is no possibility of pressure being trapped. The rig crews may then go into the area to repair leaks or work as directed.

All lines, swings, and connections that are used in the testing of the blowout preventers are to be adequately secured in place.

Pressure is to be released only through the pressure release lines that are vented back into the pump unit tanks. The lines are to be clamped down to direct the flow into unit tanks.



Archaeological Clearance Survey

of

Seven Proposed Phillips Petroleum Company  
Well Sites and Associated Access Roads  
Navajo Nation, San Juan County, Utah

by

Laurens C. Hammack  
Complete Archaeological Service Associates  
7 North Park  
Cortez, Colorado 81321  
(303) 565 9229

March 15, 1982

Prepared for

Phillips Petroleum Company  
22 W. North Street  
Cortez, Colorado 81321

Submitted to

-Navajo Nation Cultural Resource Management Program  
-Navajo Area Office, Bureau of Indian Affairs

Federal Antiquities Permit # 81-Az/NM/Ut-099  
Navajo Nation Antiquities Permit # 1981-5

## Management Summary

On March 8, 1982, Complete Archaeological Service Associates (CASA) conducted a cultural resource survey of seven proposed well sites and associated access roads on Navajo Nation land south of Montezuma Creek, San Juan County, Utah. This survey was requested by Phillips Petroleum Company of Cortez, Colorado.

On foot examination of all proposed impact areas yielded no significant prehistoric or historic cultural resources. Cultural resource clearance is recommended for the seven well locations described in this report.

## Introduction

An archaeological clearance investigation was performed by CASA on seven proposed well sites and associated access roads on the Phillips Petroleum lease in San Juan County, Utah. This survey was requested by T.M. Issacs of Phillips Petroleum's Cortez Colorado office.

The field work was conducted by Laurens C. Hammack, Managing Director of CASA on March 8, 1982. Mr. T.M. Issacs was present during the field investigations, locating each proposed well site. This report and the cultural resource survey were completed to meet the requirements of applicable historic preservation laws and Executive Order 11593. All work was conducted under the provisions of Federal Antiquities Permit # 81-Az/NM/Ut-099 and Navajo Nation Antiquities Permit # 81-5 issued to Complete Archaeological Service Associates. Prior to performing the fieldwork, a pre-field check was made with the Navajo Nation Cultural Resource Office and the Navajo Area Office of the Bureau of Indian Affairs on March 5, 1982.

## Methodology

The well locations were clearly staked and an area of 350' x 350' was surveyed with the well being centrally located in this area. Each location was walked in a series of parallel transects with a spacing of approximately 25 feet. Observations on the local environment were recorded in order to briefly describe the local setting. Where access roads were necessary, a right of way of 50 feet in width was surveyed.

## Location

The proposed well sites are located in Township 41 South, Range 24 East, just south of the San Juan River and the small community of Montezuma Creek. They are all within the Ratherford Unit of Phillips Petroleum's lease in what is generally known as the Aneth Oil Field. In this report each well will be individually described with each well location plotted on the USGS area map and further located on a section plat map provided by Phillips.

## Recommendations

Cultural Resource clearance is recommended for all seven well sites and associated access roads as described in this report. No significant prehistoric or historic resources were encountered in any of the areas to be impacted by construction.

## Figures

### Figure Number

1. Location map of Phillips # 19-11
2. Plat map of section 19 showing well and proposed access roads
3. Location map of Phillips # 19-42
4. Plat map of section 19 showing proposed well location detail
5. Location map of Phillips # 20-13
6. Plat map of section 20 showing proposed well location detail
7. Location map of Phillips # 20-24
8. Plat map of section 20 showing proposed well location detail
9. Location map of Phillips # 20-44
10. Plat map of section 20 showing proposed well location detail
11. Location map of Phillips # 21-13
12. Plat map of section 21 showing proposed well location detail
13. Location map of Phillips # 29-31
14. Plat map of section 19 showing proposed well location detail

## Well Description

Well Name: Phillips Petroleum Company, # 20-24  
Ratherford Unit

Legal Description: SE $\frac{1}{4}$ , SW $\frac{1}{4}$ , Section 20, T 41 S, R 24 E, San Juan County, Utah

Measured Location: 820 feet from south section line, 1820 feet from west section line

Elevation: 4860 feet

UTM: Zone 12, E 650200/ N 4118450

Map Reference: USGS 15 minute, White Mesa Village, Utah 1962

Area Surveyed: 350'x350' well pad; existing dirt road to be used for access, not surveyed.

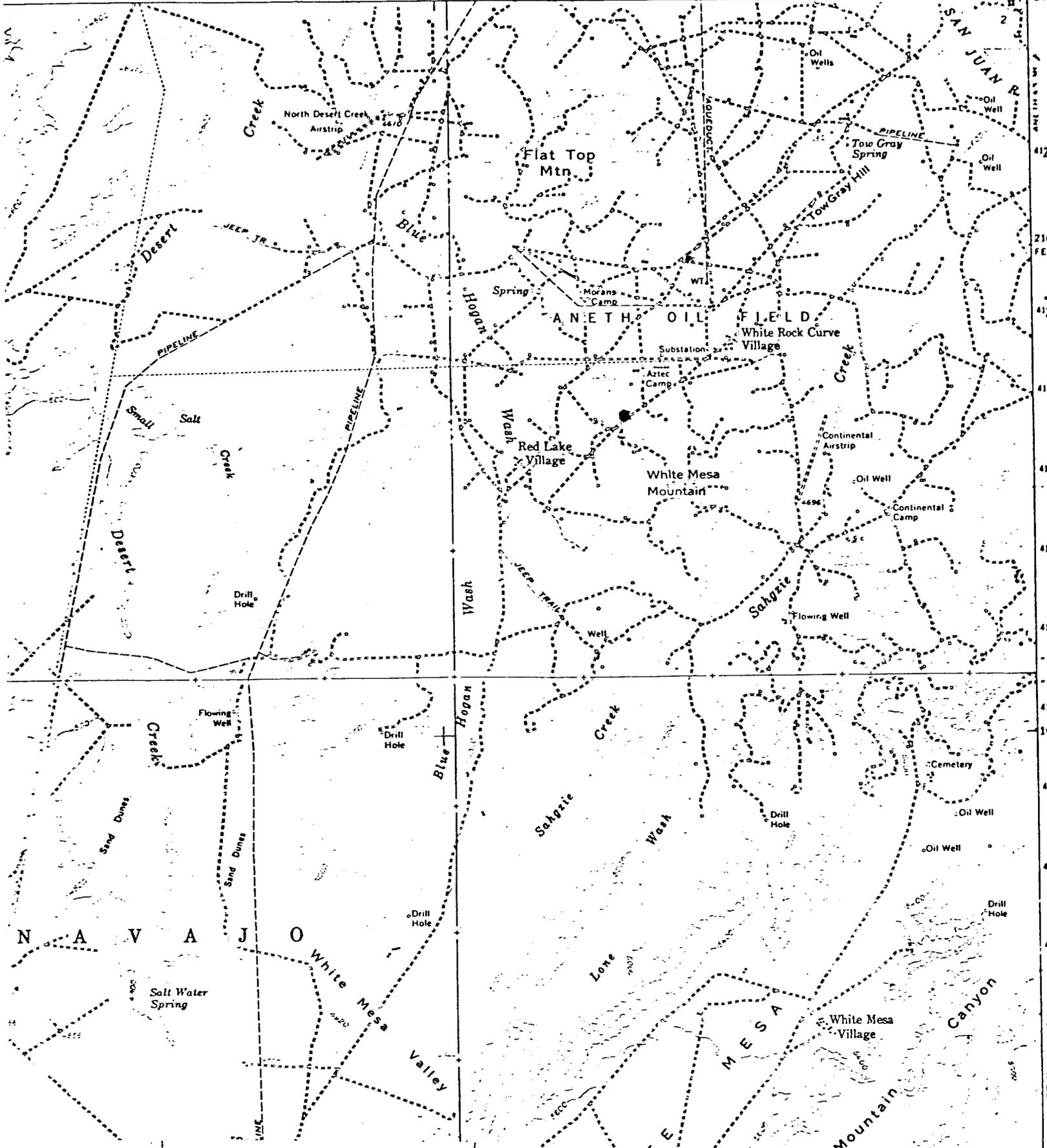
Description: Well is located slightly northwest and just below White Mesa Mountain on a gently northward sloping sand flat. Vegetation is composed of mormon tea, rabbitbrush, yucca, and clump grass. Disturbed on western end by trail road and 2 above ground oil lines. Southern edge bordered by graded road and power line.

Cultural Resources: No prehistoric or historic cultural resources of significance were located. There are no known Navajo traditional values involved.

Recommendations: Cultural Resource Clearance is recommended.

WHITE MESA VILLAGE QUADRANGLE  
UTAH  
15 MINUTE SERIES (TOPOGRAPHIC)

4158 IV 443 (MONTEZUMA CREEK) 445 446 R 23 E 20' 448 R 24 E MONTEZUMA CREEK 2.9 MI 451 452 453 12 650 000 FEET 109° 15' 37"

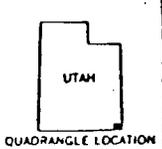


WHITE MESA VILLAGE, UTAH  
N3700—W10915/15

1962

AMS 4158 III—SERIES V797

Figure 7 Location Map  
Phillips # 20-24







*W.D. Criddle*  
*S. Smith*

THE STATE OF UTAH  
OFFICE OF STATE ENGINEER  
SALT LAKE CITY

RECEIVED  
WAYNE D. CRIDDLE  
STATE ENGINEER  
PRODUCTION  
DEPARTMENT

September 11, 1961

Phillips Petroleum Company  
Bartlesville,  
Oklahoma

Gentlemen:

RE: APPROVED APPLICATION NO. 32773

Enclosed find Approved Application No. 32773. This is your authority to proceed with actual construction work which, under Sections 73-3-10 and 73-3-12, Utah Code Annotated, 1953, as amended, must be diligently prosecuted to completion. The water shall be put to beneficial use and proof of appropriation made to the State Engineer on or before ~~February 28, 1961~~ otherwise the application will lapse.

Failure on your part to comply with the requirements of the statutes may result in forfeiture of this application.

*Note error in date  
Oct 9/1961*

Yours truly,

*Wayne D. Criddle*

ADDRESS ALL COMMUNICATIONS TO:

Wayne D. Criddle  
STATE ENGINEER  
STATE CAPITOL BUILDING  
SALT LAKE CITY, UTAH

js

Encl: Copy of approved application

APPLICATION APPROVED

## NOTICE TO APPLICANT

The approval of this Application is not a certificate of change. It is merely your authority to begin construction work, which must be diligently prosecuted to completion. To secure a certificate of change under this Application proof of change must be submitted within the time limit allowed by the State Engineer. The amount of water for which certificate will be issued will depend upon the amount of water actually put to a beneficial use, not to exceed, however, the amount of water covered by the original right. For further information write the State Engineer.

## RULES AND REGULATIONS

Applicants will save time and expense by familiarizing themselves with the law before making Applications.

If the reservoir is to be located on the channel of the source from which the water is to be appropriated, it should be so stated under explanatory, and—

1. The location of the impounding dam should be described in Paragraph 16.
2. The point where the released storage will be rediverted from the natural stream should be described under explanatory in accordance with the note under Paragraph 16.

When the water is to be stored in other than the natural channel of the source from which it is to be appropriated, it should be so stated under explanatory, and—

1. The point of diversion from the supplying source should be described in Paragraph 16.
2. The intersection of the longitudinal axis of impounding dam and centerline of stream channel or drainage and a similar point where the released storage will be rediverted from a natural channel should be described under explanatory in accordance with the note under Paragraph 16.

In all cases Paragraphs 17 to 27, incl., should describe the proposed diverting and carrying works, exclusive of natural channels, even if already constructed in whole or in part.

If it is proposed to collect the water of a number of springs or other sources at a common point, said point should be described as the point of collection in Paragraph 16, and the point of diversion from each source should also be described under explanatory in accordance with the note in Paragraph 16. The quantity of water sought from each source should be indicated under explanatory, the total equaling the quantity specified in Paragraphs 12 or 13. Where the source of supply is in reality a spring area, the point of diversion is the point where the water is collected; in such case the exterior boundary of the spring area must be described under explanatory by metes and bounds and located with reference to the same point as used in describing the point of collection and as outlined by the note under Paragraph 16.

No enlargement of an original water right may be made by a change Application, either as to quantity of water covered, period of use or otherwise.

When there are two or more coapplicants the Application must be accompanied by a power of attorney.

The applicant's permanent address should be given in Paragraph 2, and the State Engineer notified promptly of any change in address; otherwise applicant may lose rights initiated by Application by failing to receive notices sent from the State Engineer's office.

No Application or other paper pertaining to an Application will be marked received unless accompanied with the required filing fee.

Applications accepted and numbered by the State Engineer, when returned to applicant for correction or additions, must be amended with red ink. Erasures must not be made, but any matter may be eliminated by running a red line through it. Corrected Applications must be resubmitted to the State Engineer's office, within sixty days from the date of State Engineer's letter returning Application for correction; otherwise the priority of the right to change will be brought down to date corrected Application is resubmitted.

Applicants will be informed by the State Engineer's office when cost of publishing notice of Application is due, and must advance cost within sixty days after date of notice, otherwise Application will lapse.

### Fees Required by Law Payable to State Engineer

For examining and filing Applications for change of point of diversion, place and nature of use.....	\$2.50
For approving and recording Applications for change of point of diversion, place and nature of use.....	\$2.50
For filing written proof of change.....	\$1.00
For examining maps, profiles and drawings that are part of the proof of change.....	\$5.00
For issuing certificate of change.....	\$1.00

NOTE—In addition to the above fees applicants must pay the cost of publication of "Notice to Water Users" concerning the proposed change.



EXPLANATORY - contd. from printed form.

The additional alternative points of diversion from the source are in Section 3, T. 41S., R. 24E., San Juan County, Utah, situate at points as follows:

<u>Diversion Point</u>	<u>From West Line</u>	<u>From North Line</u>	<u>Subdivision</u>
1	100'	1780'	SW $\frac{1}{2}$ NW $\frac{1}{2}$
2	365'	1780'	"
3	630'	1770'	"
4	900'	1620'	"
5	1170'	1620'	"
6	1400'	1600'	SE $\frac{1}{2}$ NW $\frac{1}{2}$
7	1530'	1600'	"
8	1900'	1600'	"
9	2150'	1620'	"
10	2400'	1700'	"
11	2640'	1750'	"
12	2900'	1810'	SW $\frac{1}{2}$ NE $\frac{1}{2}$
13	3180'	1900'	"
14	3400'	1950'	"
15	3650'	2050'	"
16	3870'	2225'	"
17	4100'	2450'	SE $\frac{1}{2}$ NE $\frac{1}{2}$
18	4250'	2700'	NE $\frac{1}{2}$ SE $\frac{1}{2}$
19	4380'	2975'	"
20	4420'	3250'	"

*Lewis*  
*file/SS*

October 13, 1961

AIRMAIL

Mr. Clair M. Senior  
Senior & Senior  
Attorneys at Law  
10 Exchange Place  
Salt Lake City, Utah

Re: Alternate or Additional Source of Water  
for the Ratherford Unit, San Juan County, Utah

Dear Clair:

Herewith in triplicate is completed and signed application to the Utah State Engineer for additional and alternate points of diversion for water for water-flood purposes in the Ratherford Unit. I would appreciate it if you would handle this matter with the Water Engineer and, as diplomatically as possible, urge upon him the importance of expediting the matter as much as possible.

Having gotten these papers back from the Production Department too late to get a check for the filing fee, I would ask that you advance the fee and, upon being billed, I will send you the check.

If you need any additional information, please advise.

Very truly yours,

RMW:jd  
Enclosures

R. M. Williams

cc - Mr. Shofer Smith ✓

RECEIVED

Copied for  
C. M. Boles  
11-3-61 SS:mll



THE STATE OF UTAH  
OFFICE OF STATE ENGINEER  
SALT LAKE CITY  
October 30, 1961

WAYNE D. CRIDDLE  
STATE ENGINEER

Issue Date: October 30, 1961  
Expiration Date: April 30, 1962

Phillips Petroleum Company  
c/o Senior and Senior, Attorneys  
#10 Exchange Place  
Salt Lake City 11, Utah

Gentlemen:

RE: APPROVED APPLICATION NO. 32773 AND  
CHANGE APPLICATION NO. a-4025

This is to acknowledge receipt of your Permanent Change Application No. a-4025, which proposes to change the point of diversion of 8.0 sec.-ft. of water initiated by Application No. 32773. The water was to have been diverted from ten 12.75-inch O.D. wells located within  $S\frac{1}{2}N\frac{1}{2}NE\frac{1}{4}$  and  $SE\frac{1}{4}NE\frac{1}{4}$  of Sec. 5, T41S, R24E, SLB&M. It is now proposed to divert the 8.0 sec.-ft. of water from a total of 31 wells 12.75 inches O.D. between 35 and 50 ft. deep, ten of these being the same as heretofore described and thirty-one wells to be located within  $NW\frac{1}{4}$  Sec. 3,  $R\frac{1}{2}$  Sec. 4,  $NW\frac{1}{4}$  Sec. 5, T41S, R24E, SLB&M. The water is to be used for pressure maintenance and secondary recovery purposes as heretofore.

You have requested permission to proceed immediately with the drilling of these additional 31 wells. This letter grants you that privilege with the understanding that all risks as regards water rights are being assumed by you.

If other than new standard casing is to be used in these wells, such casing must be inspected and approved by a representative from this office. All wells must be so constructed and finished that they may be readily controlled at all times, in order to prevent waste of underground water. Wells must be drilled and cased in such a manner that will prevent the infiltration of contaminated water into them.

The driller must be bonded and have a current permit from the State Engineer. Before commencing, he must give this office notice as to the day he will begin drilling. Also, within 30 days after the well has been completed or abandoned, he must file a well driller's report for each well. These reports are to contain accurate and complete information regarding the work done and become part of the files in this office pertaining to the above-numbered wells.

This is permission for a licensed driller to begin drilling your wells.

Please note that the expiration date of this letter is April 30, 1962.

Yours truly,

*Wayne D. Criddle*  
Wayne D. Criddle  
STATE ENGINEER

ds

RECEIVED

OCT 31 1961  
SENIOR ENGINEER

3 copies transmitted  
Chair Session  
10-13-67  
Post will do

STURSENSE

Legal

# Application for Permanent Change of Point of Diversion, Place and Nature of Use of Water STATE OF UTAH

Do not fill out this blank until you have read carefully and thoroughly understand the "Rules and Regulations" on the back hereof and all the notes in the body of it.

For the purpose of obtaining permission to permanently change the point of diversion, ~~place or nature of use of~~  
(Strike out written matter not needed)

water right acquired by..... original Application No. 32773  
(Give No. of Application, certificate of appropriation, title and date of Decree or other identification of right)  
to that hereinafter described, application is hereby made to the State Engineer, based upon the following showing of facts, submitted in accordance with the requirements of the Laws of Utah.

1. The name of the applicant is Phillips Petroleum Company
2. The post-office address of the applicant is Bartlesville, Oklahoma
3. †The flow of water which ~~has been or~~ was to have been used in second-feet is 8
4. †The quantity of water which has been or was to have been used in acre-feet is XX
5. †The water ~~has been or~~ was to have been used each year from January 1 to December 31 incl.  
(Month) (Day) (Month) (Day)
6. †The water has been or was to have been stored each year from XX to XX incl.  
(Month) (Day) (Month) (Day)
7. The drainage area to which source of supply belongs is.....  
(Leave blank)
8. The direct source of supply is Underground water and subsurface flow of San Juan River  
in San Juan County.
9. †The point<sup>s</sup> of diversion as described in the original Application ~~or the point at which the water has been diverted if~~ <sup>are</sup> situated at 1 point<sup>s</sup> in Section 5, T. 41S., R. 24E as more particularly set out in the original Application No. 32773.

10. †The water involved ~~has been or~~ was to have been used for the following purposes:  
Pressure maintenance and secondary recovery purposes
- Total XX Acres.

NOTE—If for irrigation, give legal subdivision of land and total acreage which has been or was to have been irrigated. If for other purposes, give nature, place and extent of use or proposed use.

11. †The point at which water has been or was to have been returned to the stream channel is situated as follows: XX

NOTE—The above space is to be filled in only when all or part of the water is returned to the natural stream or channel.

## The Following Changes Are Proposed

12. The flow of water to be changed in cubic feet per second is No change
13. The quantity of water to be changed in acre-feet is XX
14. The water will be used each year from January 1 to December 31 incl.  
(Month) (Day) (Month) (Day)
15. The water will be stored each year from XX to XX incl.  
(Month) (Day) (Month) (Day)
16. The point at which it is now proposed to divert the water is situated (See note) See explanatory

NOTE—The "point of diversion," or "point of return," must be located by course and distance or by rectangular distances with reference to some regularly established United States land corner or United States mineral monument if within a distance of six miles of either, or if a greater distance, to some prominent and permanent natural object.

17. The proposed diverting and conveying works will consist of wells and conveyance pipe as explained in original Application No. 32773
18. The cross-section of the diverting channel will be. ~~XXXXXX~~   
(Strike out ones not needed)
19. The nature of the diverting channel will be: earth, wood, iron, concrete.  
(Strike out the ones not needed)

†Strike out written matter not needed.

Copied for  
C. M. Boles  
4-18-62 EFL:mll

**THE STATE OF UTAH**  
OFFICE OF THE STATE ENGINEER  
SALT LAKE CITY

March 26, 1962

RECEIVED  
APR 2 - 1962  
PRODUCTION  
DEPARTMENT

Phillips Petroleum Company  
Bartlesville,  
Oklahoma

Gentlemen:

RE: APPROVED APPLICATION NO. a-4025

Enclosed find Application No. a-4025 which has been approved by me. This approved Application is your authority to proceed with actual construction work which, under Sections 73-3-10 and 73-3-12, Utah Code Annotated 1953, as amended, must be diligently prosecuted to completion. The water shall be put to beneficial use and proof of appropriation filed with the State Engineer, as provided in the original application as amended by this approved change Application.

Failure on your part to comply with the requirements of the statutes may result in forfeiture of your Application.

Yours truly,

*Wayne D. Criddle*

Wayne D. Criddle  
STATE ENGINEER  
403 STATE CAPITOL  
SALT LAKE CITY, UTAH

ADDRESS ALL COMMUNICATIONS TO:

js  
Encl: Copy of approved application

**CHANGE APPLICATION APPROVED**

(Form for pending original Application)

Copy

December 2, 1965

Ratherford Unit, San Juan County, Utah -  
Application No. 32773 - Request for Extension  
of Time to Make Proof of Appropriation

Mr. R. M. Williams (2)  
Legal Department

Phillips' Application No. 32773 to the State of Utah for appropriation of water to be used in the Ratherford Unit project was approved on September 5, 1961. One condition of the approval was that a proof of appropriation be submitted by February 28, 1963. Subsequently an extension was granted and the proof of appropriation is now due on February 28, 1966. It is not possible to determine at this time the quantity of water that will ultimately be required and this is to request your assistance in obtaining an additional extension of time before it is necessary to file the proof.

Attached is a copy of Mr. C. M. Boles' letter dated November 23, 1965, which transmits a copy of an unexecuted application for an extension of time for filing the proof from February 28, 1966, to February 28, 1971. Please examine the application as to form and, if it is acceptable, forward it to Mr. J. E. Chrisman, who will arrange for its execution. If it is your opinion that the legal firm of Senior and Senior should file the application, as was done previously, please so advise and the executed application will be returned to you.

Shofner Smith

JEC:gm  
Attach.

cc: Messrs. C. W. Corbett  
Attn. T. L. Osborne  
C. M. Boles ✓

12/8/65  
HSC

JK  
fb

A T T E N T I O N

THIS FORM IS TO BE USED ONLY WHEN WATER HAS BEEN PLACED TO FULL BENEFICIAL USE

Form 152

BEFORE THE STATE ENGINEER OF THE STATE OF UTAH  
ELECTION TO FILE WATER USER'S CLAIM

APPLICATION NO. 32773(09-281)

STATE OF ~~UTAH~~ Utah )  
COURTY OF San Juan )

ss..

Phillips Petroleum Company, being first duly sworn, says that he is the owner of the above application; that the development contemplated under this application has been completed and the water placed to beneficial use.

In lieu of submitting "Proof of Appropriation" or "Proof of Change" and receiving "Certificate of Appropriation" or "Certificate of Change", the applicant hereby elects to file a "Statement of Water User's Claim" or an "Amended Statement of Water User's Claim" in the pending GENERAL DETERMINATION OF WATER RIGHTS; and that the applicant requests that said statement be prepared by the State Engineer and submitted for execution at an early date.

Phillips Petroleum Company  
By: H. A. Kuehnert  
Attorney-in-Fact

H. A. Kuehnert  
APPLICANT

ROC

Subscribed and sworn to before me this 28 day of Sept

.19 21

[Signature]  
NOTARY PUBLIC

My commission expires 9-16-11

P

Ratherford Unit  
San Juan County, Utah  
Application No. 32773  
Proof of Appropriation

1300 Security Life Building  
Denver, Colorado 80202

November 20, 1970

Mr. T. M. Blume  
Division Chief Attorney  
Denver Legal Department

Attached is a file pertaining to Phillips Petroleum Company's application for permanent use of water from underground and subsurface flow of the San Juan River in Utah for the beneficial use of pressure maintenance and secondary recovery in the Ratherford Unit.

I would like to direct your attention to Mr. C. H. Boles' letter of November 23, 1965, for background information.

On June 16, 1966, the Utah State Engineer granted a five-year extension to our Application No. 32773 for submittal of Proof of Appropriation. This extension will have elapsed on February 28, 1971.

We are preparing to file the Proof of Appropriation, however, the Casper office has information from the Area Engineer, Division of Water Rights, Department of Natural Resources, State of Utah that the filing of Proof of Appropriation is not necessary, but that filing of an Election to File Water Users Claim is necessary for permanent use of water from subsurface flow of the San Juan River.

We will appreciate your opinion on this filing.

H. W. Fatterson

CML:rc  
Attachment

cc: Mr. T. A. Matthews



INTER-OFFICE CORRESPONDENCE / SUBJECT:

Denver Legal Department

Ratherford Unit  
San Juan County, Utah  
Application No. 32773  
Proof of Appropriation

December 2, 1970

Mr. H. W. Patterson  
Denver District Office

This is in answer to your inquiry of November 20, 1970, regarding the filing of an Election to File Water Users Claim in lieu of a Proof of Appropriation in the above matter. It is my opinion that we should elect to file the Election to File Water Users Claim.

An investigation of the pertinent Utah Statutes discloses that there is no difference between the legal effect of the two procedures. The election procedure is judicial in nature and results in a court order stating precisely our rights regarding use of the water. The decision is based upon the recommendation of the State Engineer, who has the responsibility for surveying, etc. if it is necessary. In short, we will get the same benefit at little or no expense.

*Thomas M. Blume*  
Thomas M. Blume

TMB/cjk

*J. P. Denny*

December 23, 1970

Mr. Kenward H. McKinney, Area Engineer  
State of Utah  
Department of Natural Resources  
6 East Main  
Price, Utah 84501

*H. W. Patterson*  
*JS*  
*(HP)*

Dear Mr. McKinney:

Enclosed is a completed and notarized State of Utah Form No. 152, "Election to File Water User's Claim" for water placed in beneficial use by Phillips Petroleum Company in the Ratherford Unit, San Juan County, Utah.

Very truly yours,

*H. W. Patterson*  
H. W. Patterson  
Production Director  
Western District

CML:rc  
Attachment

bcc: Mr. J. P. Denny (2)

RU 1-B



FORM 31-B

STATE OF UTAH

DEPARTMENT OF NATURAL RESOURCES

DIVISION OF WATER RIGHTS

DEE C. HANSEN  
STATE ENGINEER

JOHN BENE  
DEPUTY

442 STATE CAPITOL  
SALT LAKE CITY, UTAH 84114

(801) 328-6071

May 28, 1974

DIRECTING ENGINEERS

HAROLD D. DONALDSON

DONALD C. NORSETH

~~XXXXXXXXXX~~

Stanley Green

*Phillips' want W.S. well.*

Phillips Petroleum Company  
Box 2920  
Casper, Wyoming 82601

Gentlemen:

RE: Change Appl. No. a-7804 (09-281)

Enclosed is Change Application No. a-7804 (09-281) which has been approved. The approved change application is amendatory and serves only to affect a correction to Application No. 32773 a-4025 on which an election to file a water user's claim has been submitted.

As soon as possible, engineers of this office will make the necessary field investigations and will prepare a water user's claim which will be entered in the adjudication of water rights in your area.

Yours truly,

Dee C. Hansen  
State Engineer

jb

Enc.: Copy of Approved Application

CHANGE APPLICATION APPROVED

(Form for Pending Original Application)

PHILLIPS PETROLEUM CO. CASPER AREA E & P DEPT.		
Recd: JUN 3 1974		
Sent to	File	Index
Supv.	<input checked="" type="checkbox"/>	
Oper. Dept.	<input checked="" type="checkbox"/>	
Dist. Engr.	<input checked="" type="checkbox"/>	
Dir. Asst.	<input checked="" type="checkbox"/>	
Legal	<input checked="" type="checkbox"/>	
Records	<input checked="" type="checkbox"/>	
Sent to		
Date		
By		

*Quinn Eade 09-281*



# Application for Permanent Change of Point of Diversion Place and Nature of Use of Water STATE OF UTAH

Please clearly and correctly complete the information requested below which defines the right or rights being changed. (Type or clearly print.)

For the purpose of obtaining permission to permanently change: the point of diversion , place , or nature of use , of water rights acquired by Application No. 32773 (09-281)  
(Give Number of Application, certificate of appropriation, title and date of Decree or other identification of right.)

If the right described has been amended by a previous approved change application, give the number of such change application. No. a-4025

- The name of the applicant is Phillips Petroleum Company
- The post-office address of the applicant is Box 2920, Casper, Wyoming 82601
- The flow of water which has been or was to have been used in second-feet is 8.0
- The quantity of water which has been or was to have been used in acre-feet is \_\_\_\_\_
- The water has been or was to have been used for and during periods as follows:  

<u>Oil Field Pressure Maintenance and</u>	from _____	to _____	incl.
(purpose)	(month) (day)	(month) (day)	
<u>Secondary Recovery Uses</u>	from <u>January 1</u>	to <u>December 31</u>	incl.
(purpose)	(month) (day)	(month) (day)	

 and stored each year (if stored) \_\_\_\_\_ from \_\_\_\_\_ to \_\_\_\_\_ incl.  
 (month) (day) (month) (day)
- The direct source of supply is 41 Wells in San Juan County.  
(well, spring, stream, drain, river; if other explain)
- The point or points of diversion See Separate Sheet

(Must be the same as that of right being changed unless a previous change has been filed and approved. Then use the point or points approved in the previous change.)

- Diversion works:  
 If a well give diameter and depth 12 3/4" diameter wells, 35-50 ft. deep  
 If a dam and reservoir give height, capacity, and area inundated \_\_\_\_\_

If other give type of diversion facility \_\_\_\_\_

- The water involved has been or was to have been used for the following purposes in the following described legal subdivisions: (If used for irrigation, state sole or supplemental supply, and describe other supplemental rights.)

Irrigation \_\_\_\_\_

Total acres to be irrigated \_\_\_\_\_

Stockwatering (number and kind) \_\_\_\_\_

Domestic (number of families and/or persons, etc.) \_\_\_\_\_

Other See Separate Sheet

- The point at which water has been or was to have been returned to the stream channel is situated as follows: (Please describe method of return.) \_\_\_\_\_

Note: Paragraph 10 is to be completed only when all or part of the water is returned to the natural stream or channel.

### The Following Changes Are Proposed

- The flow of water to be changed in cubic feet per second is Same as heretofore
- The quantity of water to be changed in acre-feet is \_\_\_\_\_

13. The water will be used each year for:  
 Same as heretofore from ..... to ..... incl.  
 (purpose) (month) (day) (month) (day)  
 ..... from ..... to ..... incl.  
 (purpose) (month) (day) (month) (day)  
 and stored each year (if stored) from ..... to ..... incl.  
 (month) (day) (month) (day)

14. It is now proposed to divert the water from 23 Wells  
 (i.e., spring, spring area, stream, river, drain, well, etc.)  
 at a point(s) as follows: See Separate Sheet

NOTE: The "point of diversion," or "point of return," must be located by course and distance or by rectangular distances with reference to some regularly established United States land corner or United States mineral monument if within a distance of six miles of either, or if a greater distance to some prominent and permanent natural object. A spring area must also be described by metes and bounds.

15. The proposed diverting and conveying works will consist of: (if a well, state diameter and depth thereof)  
20 - 16-inch diameter wells, 35-50 ft. deep

16. If water is to be stored, give capacity of reservoir in acre-feet..... height of dam.....  
 area inundated in acres..... legal subdivisions of area inundated .....

17. The water is to be used for the following purposes in the following described legal subdivisions: (if used for irrigation, state sole or supplemental supply, and describe other supplemental rights.)

Irrigation .....

..... Total acres to be irrigated.....

but limited to the sole irrigation supply of..... acres.

Stockwatering (number and kind).....

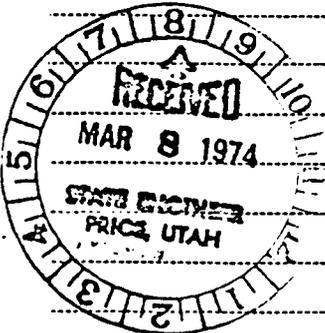
Domestic (number of families and/or persons, etc.) .....

Other Same as heretofore

18. If paragraphs 11 and 12 designate that only part of the right described in paragraphs 1 to 10 inclusive is to be changed, designate the status of the water so affected by this change as to its being abandoned or used as heretofore.

**EXPLANATORY**

The following additional facts are set forth in order to define more clearly and completely the full purpose of the proposed change: This is an Amendatory Change Application filed to correct the location of the points of diversion.



The undersigned hereby acknowledges that even though he may have been assisted in the preparation of the above-numbered application through the courtesy of the employees of the State Engineer's Office, all responsibility for the accuracy of the information contained therein, at the time of filing, rests with the applicant.

Forest E. Morgan  
 Signature of Applicant

Item 7 - Points of Diversion

Well No.	Well Location	Well No.	Well Location
1	S. 1000 ft. & W. 150 ft.	22	S. 1550 ft. & E. 1850 ft.
2	S. 1000 ft. & W. 450 ft.	all from NW	Cor. Sec. 3, T41S, R24E.
3	S. 1000 ft. & W. 750 ft.	23	S. 950 ft. & E. 150 ft.
4	S. 1000 ft. & W. 1050 ft.	24	S. 950 ft. & E. 450 ft.
5	S. 1000 ft. & W. 1350 ft.	25	S. 925 ft. & E. 750 ft.
6	S. 1000 ft. & W. 1650 ft.	26	S. 910 ft. & E. 1050 ft.
7	S. 1000 ft. & W. 1950 ft.	27	S. 890 ft. & E. 1350 ft.
8	S. 1000 ft. & W. 2250 ft.	28	S. 890 ft. & E. 1650 ft.
9	S. 1000 ft. & W. 2550 ft.	29	S. 850 ft. & E. 1950 ft.
10	S. 1000 ft. & W. 2850 ft.	30	S. 825 ft. & E. 2250 ft.
11	S. 900 ft. & W. 3125 ft.	31	S. 895 ft. & E. 2540 ft.
12	S. 800 ft. & W. 3400 ft.	32	S. 1000 ft. & E. 2790 ft. <del>DELETE FC</del>
13	S. 700 ft. & W. 3700 ft.	33	S. 1210 ft. & E. 3000 ft.
14	S. 610 ft. & W. 3995 ft.	34	S. 1420 ft. & E. 3200 ft.
15	S. 500 ft. & W. 4280 ft.	35	S. 1620 ft. & E. 3410 ft.
all from NE	Cor. Sec. 5, T41S, R24E	36	S. 1710 ft. & E. 3710 ft.
16	S. 1700 ft. & E. 50 ft.	37	S. 1760 ft. & E. 4000 ft.
17	S. 1675 ft. & E. 350 ft.	38	S. 1800 ft. & E. 4300 ft.
18	S. 1650 ft. & E. 650 ft.	39	S. 1780 ft. & E. 4600 ft.
19	S. 1610 ft. & E. 950 ft.	40	S. 1740 ft. & E. 4900 ft.
20	S. 1590 ft. & E. 1250 ft.	41	S. 1720 ft. & E. 5200 ft.
21	S. 1575 ft. & E. 1550 ft.	all from NW	Cor. Sec. 4, T41S, R24E.

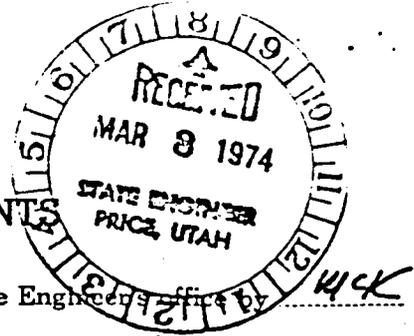
Item 9 - Place of Use: Ratherford Unit Greater Aneth Oil Field; S $\frac{1}{2}$  Sec. 1; SE $\frac{1}{4}$  Sec. 2; E $\frac{1}{2}$  Sec. 11; Sec. 12; Sec. 13; E $\frac{1}{2}$  Sec. 14; NE $\frac{1}{4}$  Sec. 24, T41S, R23E, SLB&M. Secs. 3-10; W $\frac{1}{2}$  Sec. 11; W $\frac{1}{2}$  Sec. 14; Secs. 15-21; NW $\frac{1}{2}$  & W $\frac{1}{2}$ SW $\frac{1}{2}$  Sec. 22; W $\frac{1}{2}$ NE $\frac{1}{2}$ , NW $\frac{1}{2}$ , W $\frac{1}{2}$ SW $\frac{1}{2}$  Sec. 28; Secs. 29-30; N $\frac{1}{2}$  Sec. 31; N $\frac{1}{2}$  Sec. 32, T41S, R24E, SLB&M.

Item 14 - New Points of Diversion

Well No.	Well Location
1	S. 950 ft. & W. 148 ft. from NE Cor. Sec. 5, T41S, R24E, SLB&M. (D-41-24) 5aad
2	S. 1014 ft. & W. 442 ft. from NE Cor. Sec. 5, T41S, R24E, SLB&M. (D-41-24) 5aad
3	S. 1007 ft. & W. 741 ft. from NE Cor. Sec. 5, T41S, R24E, SLB&M. (D-41-24) 5aac
4	S. 1010 ft. & W. 592 ft. from NE Cor. Sec. 5, T41S, R24E, SLB&M. (D-41-24) 5aad
5	S. 982 ft. & W. 294 ft. from NE Cor. Sec. 5, T41S, R24E, SLB&M. (D-41-24) 5aad
6	S. 887 ft. & W. 2 ft. from NE Cor. Sec. 5, T41S, R24E, SLB&M. (D-41-24) 5aad
7	S. 863 ft. & E. 145 ft. from NW Cor. Sec. 4, T41S, R24E, SLB&M. (D-41-24) 46bc
8	S. 843 ft. & E. 293 ft. from NW Cor. Sec. 4, T41S, R24E, SLB&M. (D-41-24) 5aad
9	S. 818 ft. & E. 440 ft. from NW Cor. Sec. 4, T41S, R24E, SLB&M. (D-41-24) 5aad
10	S. 803 ft. & E. 590 ft. from NW Cor. Sec. 4, T41S, R24E, SLB&M. (D-41-24) 5aad
11	S. 789 ft. & E. 739 ft. from NW Cor. Sec. 4, T41S, R24E, SLB&M. (D-41-24) 5aac
12	<del>S. 777 ft. &amp; E. 939 ft. from NW Cor. Sec. 4, T41S, R24E, SLB&amp;M. DELETE FC</del>
13	S. 803 ft. & E. 1137 ft. from NW Cor. Sec. 4, T41S, R24E, SLB&M. (D-41-24) 5
14	S. 802 ft. & E. 1334 ft. from NW Cor. Sec. 4, T41S, R24E, SLB&M.
15	S. 759 ft. & E. 1529 ft. from NW Cor. Sec. 4, T41S, R24E, SLB&M.
16	S. 715 ft. & E. 1725 ft. from NW Cor. Sec. 4, T41S, R24E, SLB&M.
17	S. 672 ft. & E. 1920 ft. from NW Cor. Sec. 4, T41S, R24E, SLB&M.
18	NO WELL
19	S. 1792 ft. & W. 352 ft. from NE Cor. Sec. 4, T41S, R24E, SLB&M.
20	S. 1792 ft. & W. 952 ft. from NE Cor. Sec. 4, T41S, R24E, SLB&M.
21	NO WELL
22	S. 1792 ft. & W. 652 ft. from NE Cor. Sec. 4, T41S, R24E, SLB&M.
23	S. 1714 ft. & W. 1545 ft. from NE Cor. Sec. 4, T41S, R24E, SLB&M.

(This page not to be filled in by applicant)

STATE ENGINEER'S ENDORSEMENTS



1. MAR. 8, 1974 Change Application received ~~over counter~~ by mail in State Engineer's office by WCK

2. Priority of right to make change brought down to, on account of

3. MAR. 13, 1974 Fee for filing Application \$65.00, received by [signature], Receipt No. 00906

4. MAR. 19, 1974 Application microfilmed by Roll No. 709 and indexed by [signature]

5. 1/16/74 Application platted by WCO See following pages for location

6. MAR. 8, 1974 Application examined by WCK

7. Application returned, with letter, to for correction

8. Corrected application resubmitted ~~over counter~~ by mail to State Engineer's Office

9. MAR. 8, 1974 Application approved for advertisement by WCK

10. MAR. 28 1974 Notice to water users prepared by [signature]

11. APR 4 1974 Publication began, was completed APR 18 1974

12. APR 3 1974 Notice published in San Juan Record

13. Proof slips checked by [signature]

14. APR 24 1974 [signature] - 1447-74

15. NOV. 16, 1971 Field Examined by WCK & CG

16. MAY 20, 1974 Application designated for approval ~~rejection~~ by WCK SG

17. 5-28-74 Change Application copied [signature] proofread by

18. 5-28-74 Change Application approved ~~rejection~~ and returned to applicant

This application is approved on the following conditions:

- 1. Actual construction work necessitated by proposed change shall be diligently prosecuted to completion.
2. Proof of hange shall be submitted to the State Engineer's office by under 32773
3. This change is subject to all conditions imposed on the approval of the original application or right

[Signature of Dee C. Hansen]

Dee C. Hansen, State Engineer

18. Time for making proof of change extended to

19. Proof of change submitted.

20. Certificate of change No. issued.

I hereby certify that the foregoing is a true copy of the Application by to change the point of diversion, place and nature of use of water as shown, with endorsements thereon, on the records of my office on the date given below.

Salt Lake City, Utah, 19 State Engineer

Change Application No. 9-7504

OPERATOR PHILLIPS PETROLEUM CO

DATE 7-28-83

WELL NAME RATHERFORD UNIT # 20-24

SEC SESW 20 T 41 S R 24 E COUNTY SAN JUAN

43-037-30918  
API NUMBER

INDIAN  
TYPE OF LEASE

POSTING CHECK OFF:

INDEX

MAP

HL

NID

PI

PROCESSING COMMENTS:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

✓ CHIEF PETROLEUM ENGINEER REVIEW:

7/28/83 Unit

\_\_\_\_\_  
\_\_\_\_\_

APPROVAL LETTER:

SPACING:

A-3 RATHERFORD  
UNIT

c-3-a

CAUSE NO. & DATE

c-3-b

c-3-c

SPECIAL LANGUAGE:

WATER  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

RECONCILE WELL NAME AND LOCATION ON APD AGAINST SAME DATA ON PLAT MAP.

AUTHENTICATE LEASE AND OPERATOR INFORMATION

VERIFY ADEQUATE AND PROPER BONDING

AUTHENTICATE IF SITE IS IN A NAMED FIELD, ETC.

APPLY SPACING CONSIDERATION

ORDER \_\_\_\_\_

UNIT \_\_\_\_\_

c-3-b

c-3-c

CHECK DISTANCE TO NEAREST WELL.

CHECK OUTSTANDING OR OVERDUE REPORTS FOR OPERATOR'S OTHER WELLS.

IF POTASH DESIGNATED AREA, SPECIAL LANGUAGE ON APPROVAL LETTER

IF IN OIL SHALE DESIGNATED AREA, SPECIAL APPROVAL LANGUAGE.

July 28, 1983

Phillips Petroleum Company  
P. O. Box 2920  
Casper, Wyoming 82602

RE: Well No. Ratherford Unit #20-24  
SESW Sec. 20, T. 41S, R. 24E  
820' PSL, 1820' FWL  
San Juan County, Utah

Gentlemen:

Insofar as this office is concerned, approval to drill the above referred to oil well is hereby granted in accordance with Section 40-6-11, Utah Code Annotated 1953; and predicated on Rule A-3, General Rules and Regulations and Rules of Practice and Procedure. Prior to spudding, a copy of the Utah Division of Water Rights (801-533-6071) approval for use or purchase of drilling water must be submitted to this office, otherwise this approval is void.

Should you determine that it will be necessary to plug and abandon this well, you are hereby requested to immediately notify the following:

RONALD J. FIRTH - Chief Petroleum Engineer  
Office: 533-5771  
Home: 571-6068

Enclosed please find Form OGC-8-X, which is to be completed whether or not water sands (aquifers) are encountered during drilling. Your cooperation in completing this form will be appreciated.

Further, it is requested that this Division be notified within 24 hours after drilling operations commence, and that the drilling contractor and rig number be identified.

The API number assigned to this well is 43-037-30918.

Sincerely,

Norman C. Stout  
Administrative Assistant

NCS/as  
cc: Oil & Gas Operations  
Bureau of Indian Affairs  
BLM, New Mexico

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Form 8-329 Rev. Feb 76  
OMB 42-RO356

MONTHLY REPORT  
OF  
OPERATIONS

Lease No. 14-20- 3-353  
Communitization Agreement No. NA  
Field Name Greater Aneth  
Unit Name Ratherford Unit (SW-I-4192)  
Participating Area Paradox  
County San Juan State Utah  
Operator Phillips Petroleum Company

Amended Report

The following is a correct report of operations and production (including status of all unplugged wells) for the month of November, 19 83

(See Reverse of Form for Instructions)

This report is required by law (30 U.S.C. 189, 30 U.S.C. 359, 25 U.S.C. 396 d), regulation (30 CFR 221.60), and the terms of the lease. Failure to report can result in the assessment of liquidated damages (30 CFR 221.54 (j)), shutting down operations, or basis for recommendation to cancel the lease and forfeit the bond (30 CFR 221.53).

Well No.	Sec & 1/4 of 1/4	TWP	RNG	Well Status	Days Prod.	Barrels of Oil	MCF of Gas	Barrels of Water	Remarks
20-24	Sec. 20 SE SW	41S	24E	DRG					<p>INITIAL REPORT</p> <p>Present Operation as of December 1, 1983 - Drlg at 4587'.</p> <p>MI &amp; RU dry hole digger 11/19/83. Drld 18" conductor hole to 135'. Ran 3 jts 134.18', 13-3/8" 48# K-55 ST&amp;C csg, set at 134'. Cmtd w/150 sx Class B. Circ 4 bbl cmt. MI &amp; RU Four Corners, Rig #5. 11/23/83 - drld rat &amp; mouse holes. Spudded 12-1/4" surf hole at 3:00 pm, 11/23/83. Drld to 1600'. Ran 38 jts (1605.63') 9-5/8" 40# 8R K-55 R3 csg set at 1600'. Cmtd w/10 BW, followed w/300 sx Class B w/ 20% Diace1 D, 1/4# Celloflake &amp; 2% CaCl2, followed w/300 sx Class B with 1/4# Celloflakes &amp; 2% CaCl2. Press to 1500 psi for 10 min, float held OK. RU to top out cmt. Top cmt job w/50 sx Class B w/3% CC, RU 10' head. Tested weld on head to 3000 psi, OK. NU BOP. Tstd BOP's PPCo. Specs, OK. WIH, Top cmt at 1550'. Drld cmt &amp; drld 8-3/4" hole to 4587'..</p>

\*If none, so state.

Disposition of production (Lease, Participating Area, or Communitized Area basis)

	Oil & Condensate (BBLs)	Gas (MCF)	Water (BBLs)
On hand, Start of Month	_____	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX
Produced	_____	_____	_____
Sold	_____	_____	XXXXXXXXXXXXXXXXXXXX
Spilled or Lost	_____	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX
Flared or Vented	XXXXXXXXXXXXXXXXXXXX	_____	XXXXXXXXXXXXXXXXXXXX
Used on Lease	_____	_____	XXXXXXXXXXXXXXXXXXXX
Injected	_____	<	_____
Surface Pits	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	_____
Other (Identify)	_____	_____	_____
On hand, End of Month	_____	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX
GAPI Gravity/BIU Content	_____	_____	XXXXXXXXXXXXXXXXXXXX

Authorized Signature:  A. E. Stuart Address: P.O. Box 2920, Casper, WY 82602

Title: Area Manager

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Form 9-329 Rev. Feb 76  
OMB 42-RO356

MONTHLY REPORT  
OF  
OPERATIONS

Lease No. 14-2C 03-353  
 Communitization Agreement No. NA  
 Field Name Greater Aneth  
 Unit Name Ratherford Unit (SW-I-4192)  
 Participating Area Paradox  
 County San Juan State Utah  
 Operator Phillips Petroleum Company

Amended Report

The following is a correct report of operations and production (including status of all unplugged wells) for the month of  
December, 1983

(See Reverse of Form for Instructions)

This report is required by law (30 U.S.C. 189, 30 U.S.C. 359, 25 U.S.C. 396 d), regulation (30 CFR 221.60), and the terms of the lease. Failure to report can result in the assessment of liquidated damages (30 CFR 221.54 (j)), shutting down operations, or basis for recommendation to cancel the lease and forfeit the bond (30 CFR 221.53).

Well No.	Sec & 1/4 of 1/4	TWP	RNG	Well Status	Days Prod.	*Barrels of Oil	*MCF of Gas	*Barrels of Water	Remarks
20-24	Sec. 20 SE SW	41S	24E	DRG					Present Operation as of January 1, 1984 - PBDT 5697'. WO Completion Unit.  Drld to TD 5746', 12/5/83. RJ Gearhart. Run #1 from 5743-1600', DLL & MSFL. Run #2 from 4300-5734', CDL, CNS, GR, Caliper. WIH & drld additional 5' to TD 5751' (loggers TD 5743'). Run 7" csg as follows - 1110.96' 26# K-55 Butt, 4593.77' 23# K-55 LT&C and 43.84' 26# Butt, set at 5748.57'. Float collar at 5697' PBDT. Cmtd as follows: 1000 gals mud flush, followed by 400 sx Class B w/20% Diacel D, 10% Salt, 1/4#/sx Celloflakes & 10#/sx Colite. Tailed in w/300 sx Class B w/3/4% D-59, 18% salt & 1/4#/sx Celloflakes. Dropped plug. Displd w/227 BW. Bumped plug w/1500 psi for 10 min, OK. Dowell set slips and cut-off csg. Released rig at 4:30 am, 12/7/83. RD. Now WO Completion Unit..

\*If none, so state.

Disposition of production (Lease, Participating Area, or Communitized Area basis)

	Oil & Condensate (BBLS)	Gas (MCF)	Water (BBLS)
*On hand, Start of Month	_____	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX
*Produced	_____	_____	XXXXXXXXXXXXXXXXXXXX
*Sold	_____	_____	XXXXXXXXXXXXXXXXXXXX
*Spilled or Lost	_____	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX
*Flared or Vented	XXXXXXXXXXXXXXXXXXXX	_____	XXXXXXXXXXXXXXXXXXXX
*Used on Lease	_____	_____	XXXXXXXXXXXXXXXXXXXX
*Injected	_____	_____	_____
*Surface Pits	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	_____
*Other (Identify)	_____	_____	_____
*On hand, End of Month	_____	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX
*API Gravity/STU Content	_____	_____	XXXXXXXXXXXXXXXXXXXX

Authorized Signature:  A. E. Stuart

Address: P.O. Box 2920, Casper, WY 82602

Title: Area Manager

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS, AND MINING

**SUNDRY NOTICES AND REPORTS ON WELLS**

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. <input checked="" type="checkbox"/> OIL WELL <input type="checkbox"/> GAS WELL		5. LEASE DESIGNATION AND SERIAL NO. <i>API 43-037-30918</i>
2. NAME OF OPERATOR <i>PHILLIPS PETROLEUM COMPANY</i>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME
3. ADDRESS OF OPERATOR <i>ATTN: RMR DRLG. GROUP</i>		7. UNIT AGREEMENT NAME <i>Rathford Unit</i>
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) <i>8055 E. TUFTS AVE. PKWY. DENVER, CO 80237</i>		8. FARM OR LEASE NAME
14. PERMIT NO.		9. WELL NO. <i>20-24</i>
15. ELEVATIONS (Show whether OF, RT, OR, etc.) <i>5749' GL</i>		10. FIELD AND POOL, OR WILDCAT <i>GREATER JWBth</i>
		11. SEC., T., R., M., OR BLK. AND SUBST OR ABBA <i>SBSW SEC 20-T41S-R24E</i>
		12. COUNTY OR PARISH <i>SAN JUAN</i>
		18. STATE <i>Utah</i>

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

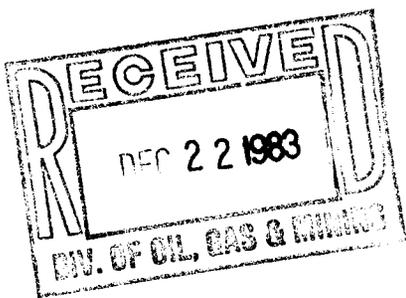
NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) _____	

(Other) *Set 7" Prod Csg*

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

*Set 7" Prod Csg @ 5749'*  
*Four Conns Dril Co.*



18. I hereby certify that the foregoing is true and correct  
SIGNED *Bobby Copp* TITLE *STAC DEV. SUPV.* DATE *12-19-83*

(This space for Federal or State office use)  
APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_  
CONDITIONS OF APPROVAL, IF ANY:

# APPLICATION TO APPROPRIATE WATER STATE OF UTAH

NOTE:—The information given in the following blanks should be free from explanatory matter, but when necessary, a complete supplementary statement should be made on the following page under the heading "Explanatory."

For the purpose of acquiring the right to use a portion of the unappropriated water of the State of Utah, for uses indicated by (X) in the proper box or boxes, application is hereby made to the State Engineer, based upon the following showing of facts, submitted in accordance with the requirements of the Laws of Utah.

1. Irrigation  Domestic  Stockwatering  Municipal  Power  Mining  Other Uses

2. The name of the applicant is PHILLIPS PETROLEUM COMPANY

3. The Post Office address of the applicant is Bartlesville, Oklahoma

4. The quantity of water to be appropriated is -- 8 -- second-feet or          acre-feet

5. The water is to be used for See Explanatory from January 1 to December 31  
(Major Purpose) (Month) (Day) (Month) (Day)

other use period          from          to           
(Minor Purpose) (Month) (Day) (Month) (Day)

and stored each year (if stored) from          to           
(Month) (Day) (Month) (Day)

6. The drainage area to which the direct source of supply belongs is          (Leave Blank)

7. The direct source of supply is\* Underground water and subsurface flow of San Juan River  
(Name of stream or other source)

which is tributary to Colorado River tributary to         

\*Note.—Where water is to be diverted from a well, a tunnel, or drain, the source should be designated as "Underground Water" in the first space and the remaining spaces should be left blank. If the source is a stream, a spring, a spring area, or a drain, so indicate in the first space, giving its name, if named, and in the remaining spaces, designate the stream channels to which it is tributary, even though the water may sink, evaporate, or be diverted before reaching said channels. If water from a spring flows in a natural surface channel before being diverted, the direct source should be designated as a stream and not a spring.

8. The point of diversion from the source is in San Juan County, situated at a point\*

~~See Explanatory~~ #1-S. 1000 ft. and W. 150 ft.; #2-S. 1000 ft. and W. 450 ft.; #3-S. 1000 ft. and W. 750 ft.; #4-S. 1000 ft. and W. 1050 ft.; #5-S. 1000 ft. and W. 1350 ft.; #6-S. 1000 ft. and W. 1650 ft.; #7-S. 1000 ft. and W. 1950 ft.; #8-S. 1000 ft. and W. 2250 ft.; #9-S. 1000 ft. and W. 2550 ft.; and #10-S. 1000 ft. and W. 2850 ft.; all from NE Cor. Sec. 5, T14E, R24E, S18&M. (See letter of 7/16/37 attached)

\*Note.—The point of diversion must be located definitely by course and distance or by giving the distances north or south, and east or west with reference to a United States land survey corner or United States mineral monument, if within a distance of six miles of either, or if at a greater distance, to some prominent and permanent natural object. No application will be received for filing in which the point of diversion is not defined definitely.

9. The diverting and carrying works will consist of See Explanatory

10. If water is to be stored, give capacity of reservoir in acre-feet          height of dam           
area inundated in acres          legal subdivision of area inundated         

11. If application is for irrigation purposes, the legal subdivisions of the area irrigated are as follows:  
          
          
          
         Total          Acres

12. Is the land owned by the applicant? Yes          No         

13. Is this water to be used supplementally with other water rights? Yes          No         

If "yes," identify other water rights under explanatory.

14. If application is for power purposes, describe type of plant, size and rated capacity         

15. If application is for mining, the water will be used in Greater Aneth Area ~~oil field~~  
~~oil field~~ where the following ores are mined oil and gas

16. If application is for stockwatering purposes, number and kind of stock watered         

17. If application is for domestic purposes, number of families to be served         

18. If application is for municipal purposes, name of municipality         

19. If application is for other uses, include general description of proposed uses         

20. Give place of use by legal subdivision of the United States Land Survey for all uses described in paragraphs 14 to 19, incl. See Explanatory

21. The use of water as set forth in this application will consume -- 8 -- second-feet of water  
and -- 0 -- second feet will be returned to the natural stream or source at a point described as follows:

EXPLANATORY

The following additional facts are set forth in order to define more clearly the full purpose of the proposed application:

ITEM 2

The water will be pumped from the diversion area to the oil field where the water will be injected under pressure through deep wells into the petroleum-bearing formations for pressure maintenance and secondary recovery purposes.

ITEM 8

The point or points of diversion from the source will be in Section 5, T41S, R24E S1M, San Juan County, situated as follows: From that point at which the south bank of the river channel intersects the east line of Section 5, T41S, R24E, to that point at which the South bank of river channel intersects the North line of Section 5, T41S, R24E.

Diversion will be from one or more wells or infiltration galleries to be drilled in the alluvial fill and to be located as close to the South bank of the river channel as is practical within the east-west limits as above defined. Specific location and number of diversion points will be determined by a hydrographic survey and/or producing characteristics of wells to be drilled. The aggregate withdrawal, the rate of which is not to exceed that specified in this application, will be commingled in a conveyance works described in greater detail herein.

ITEM 9

The diverting and carrying works will consist of 12-1/4" diameter wells, cased with 35 to 50 feet of 8-5/8 inch outside diameter pipe to be drilled to depths of from 35 feet to 50 feet and about 13,000 feet of 10-3/4 inch conveyance pipe to places of use.

ITEM 20

Township 41 South, Range 23 East, S1M

S/2 Sec. 1; SE/4 Sec. 2; E/2 Sec. 11; All Sec. 12; All Sec. 13, E/2 Sec. 14, NE/4 Sec. 24.

Township 41 South, Range 24 East, S1M

All Sections 3, 4, 5, 6, 7, 8, 9, 10; W/2 Sec. 11, W/2 Sec. 14; All Sections 15, 16, 17, 18, 19, 20, 21; NW/4, W/2 SW/4 Sec. 22; W/2 NE/4, NW/4, W/2 SW/4 Sec. 28; All Sections 29, 30; N/2 Sec. 31; N/2 Sec. 32.

Said described lands, which are in San Juan County, Utah, constitute the Rutherford portion of the Greater Aneth Area oil field.

Continued on page 4

(Use page 4 if additional explanatory is needed.)

The quantity of water sought to be appropriated is limited to that which can be beneficially used for the purpose herein described.

PHILLIPS PETROLEUM COMPANY

By:

L. E. Fitzgerald

Signature of Applicant

VICE PRESIDENT OF PRODUCTION

\*If applicant is a corporation or other organization, signature must be the name of such corporation or organization by its proper officer, or in the name of the partnership by one of the partners, and the names of the other partners shall be listed. If a corporation or partnership, the affidavit below need not be filled in. If there is more than one applicant, a power of attorney, authorizing one to act for all, should accompany the Application.

DECLARATION OF CITIZENSHIP

STATE OF UTAH, } ss  
County of..... }

On the ..... day of ..... 19....., personally appeared before me, a notary public for the State of Utah, the above applicant who, on oath, declared that he is a citizen of the United States, or has declared his intention to become such a citizen.

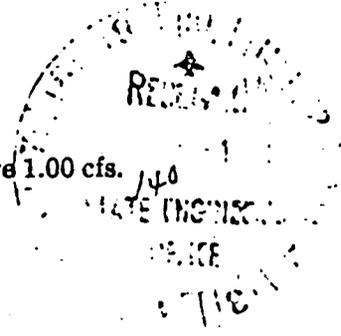
My commission expires:

(SEAL)

Notary Public

FEEES FOR APPLICATIONS TO APPROPRIATE WATER IN UTAH

Flow rate — c.f.s.	Cost
0.0 to 0.1.....	\$ 10.00
over 0.1 to 0.5.....	20.00
over 0.5 to 1.0.....	30.00
over 1.0 to 15.0.....	30.00 plus \$5/cfs above 1.00 cfs.
over 15.0.....	100.00
<b>Storage — acre-feet</b>	
0 to 20.....	15.00
over 20 to 500.....	30.00
over 500 to 7500.....	30.00 plus \$5/500 a. f. above first 500
over 7500.....	100.00



(This section is not to be filled in by applicant)

STATE ENGINEER'S ENDORSEMENTS

1. *16:00 a.m.*  
*Feb. 27, 1961* Application received  by mail  over counter in State Engineer's office by *...*
2. .... Priority of Application brought down to, on account of.....
3. *Feb. 27, 1961* Application fee, \$ *5.50*, received by..... Rec. No. *02265*
4. *Mar. 10, 1961* Application <sup>PHOTOSTATED</sup> copied in book *710.32* page *357*, and indexed by *Y. T. ...*
5. *...* Application platted by *...* *acc. (5) abt. (6) abt. (7) abt. (8) abc (1) abc (2) abc*
6. *April 7, 1961* Application examined by *ME*
7. .... Application returned, ..... or corrected by office.....
8. .... Corrected Application resubmitted  over counter  by mail to State Engineer's office.
9. *April 7, 1961* Application approved for advertisement by *ME*
10. *June 16, 1961* Notice to water users prepared by *R. K. H*
11. *June 29, 1961* Publication began; was completed *July 13, 1961*  
Notice published in *Salt Lake Record, Monticello, Utah*
12. *June 27, 1961* Proof slips checked by *J. S. ...*
13. .... Application protested by.....
14. *July 25, 1961* *Subscriber paid 75¢ 2-1016-277*  
Hearing held by.....
15. .... Field examination by.....
16. *Sept 5, 1961* Application designated for  approval  rejection *...*
17. *Sept. 11, 1961* Application copied or photostated by *T.E.* proofread by.....
18. *Sept. 11, 1961* Application  approved  rejected
19. **Conditions:**  
This Application is approved, subject to prior rights, as follows:  
a. Actual construction work shall be diligently prosecuted to completion.  
b. Proof of Appropriation shall be submitted to the State Engineer's office by *Feb. 28, 1963*  
c. ....
20. .... Time for making Proof of Appropriation extended to.....
21. .... Proof of Appropriation submitted.
22. .... Certificate of Appropriation, No. ...., issued

*Wayne D. Criddle*  
Wayne D. Criddle State Engineer.

EXPLANATORY CONTINUED

The use of the applied for water for the planned pressure maintenance and secondary recovery operations will permit the recovery of substantial quantities of oil and gas which would otherwise not be recovered.

NOTICE TO APPLICANT

All waters in this state, whether above or under the ground, are the property of the public, subject to all existing rights to the use thereof. No appropriation of the unappropriated public water may be made and no rights to the use thereof shall be recognized except Application for such appropriation first be made to the State Engineer.

The approval of this Application is not a Certificate of Appropriation. It is merely your authority to begin construction work, which must be prosecuted diligently to completion. To secure a Certificate of Appropriation under this Application, Proof of Appropriation must be submitted within the time limit allowed by the State Engineer. The amount of water for which Certificate will be issued will depend upon the amount of water actually put to a beneficial use, not to exceed, however, the amount of water specified in this Application. Proof of Appropriation must be made in accordance with the requirements of the law. For further information write the State Engineer.



STATE OF UTAH  
NATURAL RESOURCES  
Oil, Gas & Mining

Scott M. Matheson, Governor  
Temple A. Reynolds, Executive Director  
Dr. G. A. (Jim) Shirazi, Division Director

4241 State Office Building • Salt Lake City, UT 84114 • 801-533-5771

December 23, 1983

Phillips Oil Co.  
P O Box 2920  
Casper WY 82602

Re: Well No. Ratherford #20-24  
API #43-037-30918  
820' FSL, 1820' FWL SE SW  
Sec. 20, T. 41S, R. 24E.  
San Juan County, Utah

Gentlemen:

In reference to the above mentioned well, considerable time has gone by since approval was obtained from this office.

This office has not received any notification of spudding. If you do not intend to drill this well, please notify this Division. If spudding or any other activity has taken place, please send necessary forms. If you plan to drill this location at a later date, please notify as such.

We will be happy to acknowledge receipt of your response to this notice if you will include an extra copy of the transmittal letter with a place for our signature, and a self addressed envelope for the return. Such acknowledgement should avoid unnecessary mailing of a second notice from our agency.

Your prompt attention to the above will be greatly appreciated.

Respectfully,

A handwritten signature in cursive script, appearing to read 'Claudia Jones'.

Claudia Jones  
Well Records Specialist

CJ/cj

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Form 8-329 Rev. Feb 76  
OMB 42-RO356

MONTHLY REPORT  
OF  
OPERATIONS

Lease No. 20-603-353

Communitization Agreement No. NA

Field Name Greater Aneth

Unit Name Ratherford Unit (SW-I-4192)

Participating Area Paradox

County San Juan State Utah

Operator Phillips Oil Company

Amended Report

The following is a correct report of operations and production (including status of all unplugged wells) for the month of January, 19 84

(See Reverse of Form for Instructions)

This report is required by law (30 U.S.C. 189, 30 U.S.C. 359, 25 U.S.C. 396 d), regulation (30 CFR 221.60), and the terms of the lease. Failure to report can result in the assessment of liquidated damages (30 CFR 221.54 (j)), shutting down operations, or basis for recommendation to cancel the lease and forfeit the bond (30 CFR 221.53).

Well No.	Sec & N of N	TWP	RNG	Well Status	Days Prod.	Bbls of Oil	MCF of Gas	Bbls of Water	Remarks
20-24	Sec. 20 SE SW	41S	24E	DRG			FINAL REPORT		
						TD 5746', PBTB 5696'			
						MI Completion Unit 1/5/84. Tag cmt at final			
						PBTB 5696'. RU Gearhart. WIH w/4" hollow steel			
						carrier gun, perf'd 5606-15' & 5615-35', 2 SPF,			
						59 holes total, .44" hole. Spotted 250 gal 28%			
						HCL acid, w/50#/1000 NIS-545, 2 gal/1000 NAI-			
						166, 5 gal/1000 NFS-282N & 5 gal/1000 NNE-257N.			
						Pmpd 4250 gal acid w/89, 1.1 sp grav., ball			
						sealers. Displ'd w/50 bbls lse wtr. Completed			
						as a flwg oil well 1/9/84 from Desert Creek			
						Zone I perms 5606-5635' with a final test of			
						136 BOPD, 82 MCFGPD, 24 BWP, GOR 603. Ran			
						pump and rods and started well pmpg 1/20/84.			
						Completed as a pmpg oil well with a final test			
						of 165 BOPD, 99 MCFGPD est, 24 BWP.			

\*If none, so state.

Disposition of production (Lease, Participating Area, or Communitized Area basis)

	Oil & Condensate (BBLs)	Gas (MCF)	Water (BBLs)
On hand, Start of Month	_____	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX
Produced	_____	_____	_____
Sold	_____	_____	XXXXXXXXXXXXXXXXXXXX
Spilled or Lost	_____	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX
Flared or Vented	XXXXXXXXXXXXXXXXXXXX	_____	XXXXXXXXXXXXXXXXXXXX
Used on Lease	_____	_____	XXXXXXXXXXXXXXXXXXXX
Injected	_____	_____	_____
Surface Pits	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	_____
Other (Identify)	_____	_____	_____
On hand, End of Month	_____	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX
API Gravity/BTU Content	_____	_____	XXXXXXXXXXXXXXXXXXXX

Authorized Signature: A. E. Stuart

Address: P.O. Box 2920, Casper, WY 82602

Title: Area Manager

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil well  gas well  other

2. NAME OF OPERATOR  
Phillips Petroleum Company

3. ADDRESS OF OPERATOR  
8055 E. Tufts Ave. Pkwy./Denver, CO 80231

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)  
AT SURFACE: 820 FSL, 1820 FWL (SE SW)  
AT TOP PROD. INTERVAL:  
AT TOTAL DEPTH:

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:	SUBSEQUENT REPORT OF:
TEST WATER SHUT-OFF <input type="checkbox"/>	<input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	<input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	<input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	<input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	<input type="checkbox"/>
MULTIPLE COMPLETE <input type="checkbox"/>	<input type="checkbox"/>
CHANGE ZONES <input type="checkbox"/>	<input type="checkbox"/>
ABANDON* <input type="checkbox"/>	<input type="checkbox"/>
(other) <input type="checkbox"/>	<input type="checkbox"/>

5. LEASE  
14-20-603-353

6. IF INDIAN, ALLOTTEE OR TRIBE NAME  
Navajo

7. UNIT AGREEMENT NAME  
SW-I-4192

8. FARM OR LEASE NAME  
Ratherford Unit

9. WELL NO.  
20-24

10. FIELD OR WILDCAT NAME  
Greater Aneth

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA  
Sec 20-T41S-R24E

12. COUNTY OR PARISH: 13. STATE  
San Juan Utah

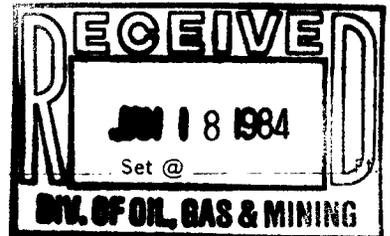
14. API NO.  
43-037-30918

15. ELEVATIONS (SHOW DF, KDB, AND WD)  
4859 GR

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

Spudded well November 23, 1983, with Four Corners Rig #5. Drilled 12 1/4" hole to 1600 ft. Set 1600 ft., 9-5/8" 40# K-55 surface casing. Cemented with 720 ft.<sup>3</sup> (300 sx) class B w/20% Diacel D, tailed w/360 ft.<sup>3</sup> (300 sx) class B. Cement did not circulate. Cemented annulus w/60 ft.<sup>3</sup> (50 sx) class B thru 1" pipe. Job complete 11-25-83. Drilled 8-3/4" hole to 5751. Ran 5749 ft., 7" 23# and 26# K-55 casing. Cemented with 960 ft.<sup>3</sup> (400 sx) class B w/20% diacel D, tailed w/360 ft.<sup>3</sup> (300 sx) class B w/18% salt. Pressure test casing to 1500 psi. Job complete 12-7-83. TOC at 2870.



Subsurface Safety Valve: Manu. and Type \_\_\_\_\_

18. I hereby certify that the foregoing is true and correct

SIGNED [Signature] TITLE Drilling Manager DATE 12 Jan 1984

(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_  
CONDITIONS OF APPROVAL, IF ANY:

- 5 - BLM Farmington, NM.
- 1 - Utah O & G CC Salt Lake City, UT.
- 1 - Casper
- 1 - file
- 1 - T. M. Issacs

\*See Instructions on Reverse Side

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

**SUNDRY NOTICES AND REPORTS ON WELLS**

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil well  gas well  other

2. NAME OF OPERATOR  
Phillips Oil Company

3. ADDRESS OF OPERATOR  
P.O. Box 2920, Casper, WY 82602

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)  
AT SURFACE:  
AT TOP PROD. INTERVAL:  
AT TOTAL DEPTH:

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF	<input type="checkbox"/>		<input type="checkbox"/>
FRACTURE TREAT	<input type="checkbox"/>		<input type="checkbox"/>
SHOOT OR ACIDIZE	<input type="checkbox"/>		<input type="checkbox"/>
REPAIR WELL	<input type="checkbox"/>		<input type="checkbox"/>
PULL OR ALTER CASING	<input type="checkbox"/>		<input type="checkbox"/>
MULTIPLE COMPLETE	<input type="checkbox"/>		<input type="checkbox"/>
CHANGE ZONES	<input type="checkbox"/>		<input type="checkbox"/>
ABANDON*	<input type="checkbox"/>		<input type="checkbox"/>
(other) Change of Operator	<input checked="" type="checkbox"/>		<input type="checkbox"/>

5. LEASE	
6. IF INDIAN, ALLOTTEE OR TRIBE NAME	Navajo
7. UNIT AGREEMENT NAME	SW-I-4192
8. FARM OR LEASE NAME	Ratherford Unit
9. WELL NO.	
10. FIELD OR WILDCAT NAME	Greater Aneth
11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA	
12. COUNTY OR PARISH	San Juan
13. STATE	Utah
14. API NO.	
15. ELEVATIONS (SHOW DF, KDB AND WD)	

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

Effective December 1, 1983, Phillips Oil Company assumed operations from Phillips Petroleum Company. The following wells had Applications for Permits to Drill submitted under Phillips Petroleum Company:  
Ratherford Unit #19-42, 20-13, 20-44, 20-22, 20-24, 20-33, 21-13, 29-42, 29-32, & 29-33. + 29-31

JAN 15 1984  
DIVISION OF  
OIL, GAS & MINING

Subsurface Safety Valve: Manu. and Type \_\_\_\_\_ Set @ \_\_\_\_\_ Ft.

18. I hereby certify that the foregoing is true and correct

SIGNED A. E. Stuart TITLE Area Manager DATE 1/13/84

(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_  
CONDITIONS OF APPROVAL, IF ANY:

**UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY**

SUBMIT IN DUPLICATE\*

(See other instructions on reverse side)

Form approved.  
Budget Bureau No. 42-R355.5.

14

**WELL COMPLETION OR RECOMPLETION REPORT AND LOG\***

1a. TYPE OF WELL: OIL WELL  GAS WELL  DRY  Other \_\_\_\_\_

b. TYPE OF COMPLETION: NEW WELL  WORK OVER  DEEP-EN  PLUG BACK  DIFF. RESVR.  Other \_\_\_\_\_

2. NAME OF OPERATOR  
Phillips Oil Company

3. ADDRESS OF OPERATOR  
P.O. Box 2920, Casper, WY 82602

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)\*  
At surface 820' FSL & 1820' FWL, SE SW

At top prod. interval reported below

At total depth

**RECEIVED**  
JAN 30 1984

**DIVISION OF  
OIL, GAS & MINING**

14. PERMIT NO. 43-037-30918      DATE ISSUED 7/28/83

5. LEASE DESIGNATION AND SERIAL NO.  
14-20-603-353

6. IF INDIAN, ALLOTTEE OR TRIBE NAME  
Navajo

7. UNIT AGREEMENT NAME  
SW-I-4192

8. FARM OR LEASE NAME  
Ratherford Unit

9. WELL NO.  
20-24

10. FIELD AND POOL, OR WILDCAT  
Greater Aneth

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA  
Sec. 20-T41S-R24E

12. COUNTY OR PARISH  
San Juan

13. STATE  
Utah

15. DATE SPUNDED 11/23/83      16. DATE T.D. REACHED 12/6/83      17. DATE COMPL. (Ready to prod.) 1/9/84      18. ELEVATIONS (DF, RKB, RT, GR, ETC.)\* GR 4857' RKB 4869'      19. ELEV. CASINGHEAD --

20. TOTAL DEPTH, MD & TVD 5751'      21. PLUG, BACK T.D., MD & TVD 5696'      22. IF MULTIPLE COMPL., HOW MANY\* --      23. INTERVALS DRILLED BY --      ROTARY TOOLS 0 - 5751'      CABLE TOOLS --

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)\*  
5606' - 5635' Desert Creek Zone I

25. WAS DIRECTIONAL SURVEY MADE  
No

26. TYPE ELECTRIC AND OTHER LOGS RUN  
DIT & MSFL, CDL-CNS-GR-Caliper

27. WAS WELL CORED  
No

**CASING RECORD (Report all strings set in well)**

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
13-3/8"	48#	134'	18"	150 sx Class B	--
9-5/8"	40#	1600'	12-1/4"	600 sx Class B	--
				top out cmt w/50 sx Class B	B
7"	23# & 26#	5748'	8-3/4"	700 sx Class B	--

29. LINER RECORD				30. TUBING RECORD			
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
--	--	--	--	--	2-7/8"	5305'	5305'

31. PERFORATION RECORD (Interval, size and number)		32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.	
INTERVAL	SPF	DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
5606-15'	2	5606'35' - Spot	250 gal 28% HCL Acid, w/50#/1000 NIS-546, 2 gal/1000 NAI-166, 5 gal/1000 NFS-282N & 5 gal/1000 NNE-257N. Pmpd 4250 gal acid w/89, 1.1 sp grav, ball sealers. Displd w/
5615-35'	2		
4" hollow steel carrier gun w/DMLXXIII chas			

33.\* PRODUCTION 50 bbls lse wtr.  
DATE FIRST PRODUCTION 1/9/84      PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) Flowing      WELL STATUS (Producing or shut-in) Producing

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
1/12/84	24	10/64"	→	136	82	24	603
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)	
150	--	→	136	82	24	40	

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) Sold      TEST WITNESSED BY --

35. LIST OF ATTACHMENTS  
None

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records  
SIGNED A. E. Stuart      TITLE Area Manager      DATE 1/17/84

- 3 - BLM, Farmington (See Instructions and Spaces for Additional Data on Reverse Side)  
2 - Utah O&GCC, SLC      1 - B'Conner, B'Ville      1 - Fraser      1 - File  
1 - BIA, Shiprock      1 - Whitmire      1 - Poling  
1 - Navajo Nation      1 - Coffelt      1 - W.I. Owners

# INSTRUCTIONS

**General:** This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office. See instructions on items 22 and 24, and 33, below regarding separate reports for separate completions.

If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formations and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see item 35.

**Item 4:** If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

**Item 18:** Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments. **Items 22 and 24:** If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

**Item 29:** "Sacks Cement": Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool.

**Item 33:** Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	38. GEOLOGIC MARKERS		
				NAME	MEAS. DEPTH	TRUE VERT. DEPTH
No Cores or DST's Run.				Shinarump DeChelly Hermosa Paradox	LOG TOPS	2400' 2700' 4638' 5462'

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

**SUNDRY NOTICES AND REPORTS ON WELLS**

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil well  gas well  other

2. NAME OF OPERATOR  
Phillips Petroleum Company

3. ADDRESS OF OPERATOR  
8055 E. Tufts Ave. Pkwy./Denver, CO. 80237

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)  
AT SURFACE: 820 FSL & 1820 FWL (SE SW)  
AT TOP PROD. INTERVAL:  
AT TOTAL DEPTH:

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:  
TEST WATER SHUT-OFF   
FRACTURE TREAT   
SHOOT OR ACIDIZE   
REPAIR WELL   
PULL OR ALTER CASING   
MULTIPLE COMPLETE   
CHANGE ZONES   
ABANDON\*   
(other)

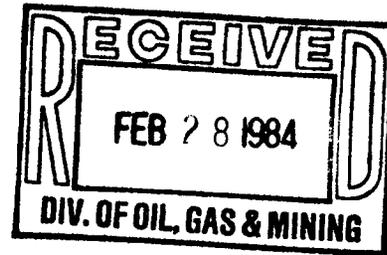
SUBSEQUENT REPORT OF:

5. LEASE  
14-20-603-353  
6. IF INDIAN, ALLOTTEE OR TRIBE NAME  
Navajo  
7. UNIT AGREEMENT NAME  
SW-I-4192  
8. FARM OR LEASE NAME  
Ratherford Unit  
9. WELL NO.  
20-24  
10. FIELD OR WILDCAT NAME  
Greater Aneth  
11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA  
Sec 20-T41S-R24E  
12. COUNTY OR PARISH: 13. STATE  
San Juan Utah  
14. API NO.  
43-037-30918  
15. ELEVATIONS (SHOW DF, KDB, AND WD)  
4869 RKB

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

Drilled 18" conductor hole to 135 ft. Ran 134 ft, 13-3/8" 48# H-40 conductor casing. Set casing at 134 ft. cemented with 180 ft<sup>3</sup> (150 sx) class 'B' cement circulated to surface. Finished job and moved out rat hole driller 11-20-83. Moved in drilling rig to spud well. See Sundry Notice dated 1-12-84. Reached TD of 5751 ft. 12-6-84. Plug back total depth is 5696 ft.



Subsurface Safety Valve: Manu. and Type \_\_\_\_\_ Set @ \_\_\_\_\_ Ft.

18. I hereby certify that the foregoing is true and correct

SIGNED [Signature] TITLE Drilling Manager DATE 2-2-84

(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_  
CONDITIONS OF APPROVAL, IF ANY:

- 6 - BL: Farmington, NM
- 2 - Utah Oil & Gas cc Salt Lake City
- 1 - File - RC
- 1 - T. M. Issacs
- 1 - Casper

\*See Instructions on Reverse Side

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUBMIT IN DATE

Other instructions on reverse side

Form approved.  
Budget Bureau No. 1004-0137  
Expires August 31, 1985

AMENDED REPORT  
Tbg Correction

5. LEASE DESIGNATION AND SERIAL NO

14-20-603-353

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

Navajo

7. UNIT AGREEMENT NAME

SW-I-4192

8. FARM OR LEASE NAME

Ratherford Unit

9. WELL NO.

20-24

10. FIELD AND POOL, OR WILDCAT

Greater Aneth

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA

Sec. 20-T41S-R24E

12. COUNTY OR PARISH

San Juan

13. STATE

Utah

WELL COMPLETION OR RECOMPLETION REPORT AND LOG \*

1. TYPE OF WELL: OIL WELL  GAS WELL  DRY  Other \_\_\_\_\_

b. TYPE OF COMPLETION: NEW WELL  WORK OVER  DEEP-EN  PLUG BACK  DIFF. REVR.  Other \_\_\_\_\_

2. NAME OF OPERATOR

Phillips Petroleum Company

3. ADDRESS OF OPERATOR

P.O. Box 2920, Casper, Wyoming 82602

RECEIVED

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)\*

At surface 820' FSL & 1820' FWL, SE SW

OCT 23 1985

At top prod. interval reported below

At total depth

14. PERMIT NO. --- DATE ISSUED ---  
DIVISION OF OIL GAS & MINING

API #43-037-30918

15. DATE SPUDDED 16. DATE T.D. REACHED 17. DATE COMPL. (Ready to prod.) 18. ELEVATIONS (DF, RKB, RT, OR, ETC.)\* 19. ELEV. CASINGHEAD

11/23/83

12/6/83

1/9/84

GR 4857', RKB 4869'

--

20. TOTAL DEPTH, MD & TVD 21. PLUG BACK T.D., MD & TVD 22. IF MULTIPLE COMPL., HOW MANY\* 23. INTERVALS DRILLED BY ROTARY TOOLS CABLE TOOLS

5751'

5696'

--

0 - 5751'

--

24. PRODUCING INTERVAL(S). OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)\* 25. WAS DIRECTIONAL SURVEY MADE

5606' - 5635' Desert Creek Zone I

No

26. TYPE ELECTRIC AND OTHER LOGS RUN 27. WAS WELL CORRD

DLL & MSFL, CDL-CNS-GR-Caliper

No

28. CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
13-3/8"	48#	134'	18"	150 sx Class B	--
9-5/8"	40#	1600'	12-1/4"	600 sx Class B, top out cmt w/50 sx Class B	--
7"	23# & 26#	5748'	8-3/4"	700 sx Class B	--

29. LINER RECORD 30. TUBING RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
--	--	--	--	--	2-7/8"	5459'	5459'

31. PERFORATION RECORD (Interval, size and number) 32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

5606-15', 2 SPF, 18 shots  
5615-35', 2 SPF, 41 shots

w/4" hollow steel carrier gun w/DMLXXIII chgs.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
5606-5635'	Spot 250 gal 28% HCL Acid, w/50#/1000 NIS-546, 2 gal/1000 NAI-166, 5 gal/1000 NFS-282N & 5 gal/1000 NNE-257N. Pmpd 4250 gal acid w/89, 1.1 sp grav, ball sealers.

33.\* PRODUCTION Displd w/50 bbls lse wtr.

DATE FIRST PRODUCTION	PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)	WELL STATUS (Producing or shut-in)					
1/9/84	Flowing	Producing					
DATE OF TEST	HOURS TESTED	CHOKED SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
1/12/84	24	10/64"	→	136	82	24	603
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)	
150	--	→	136	82	24	40	

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) TEST WITNESSED BY

Sold

--

35. LIST OF ATTACHMENTS

None

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED D. C. Gill For TITLE Area Manager DATE 10/18/85

\*(See Instructions and Spaces for Additional Data on Reverse Side)

37. SUMMARY OF POROUS ZONES: (Show all important zones of porosity and contents thereof; cored intervals; and all drill-stem, tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries):

38. GEOLOGIC MARKERS

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	TOP	
					MEAS. DEPTH	TRUE VERT. DEPTH
				Shinarump DeChelly Hermosa Paradox	LOG TOPS	2400' 2700' 4638' 5462'

NO CORES OR DST'S RUN.

DISTRIBUTION:

- 4 - B.M. Farmington, NM
- 2 - Utah O&G CC, Salt Lake City, UT
- 1 - The Navajo Nation, Window Rock, AZ
- 1 - R. Ewing, B'Ville
- 1 - L. Williams (r) G. W. Berk
- 1 - T. L. Carten (r) P. Bertuzzi
- 1 - W. I. Owner
- 1 - File RC

# Mobil Oil Corporation

P.O. BOX 5444  
DENVER, COLORADO 80217-5444

May 14, 1986

Utah Board of Oil, Gas and Mining  
355 West North Temple  
3 Triad Center, Suite 350  
Salt Lake City, Utah 84180-1203

Attn: R. J. Firth  
Associate Director

**RECEIVED**  
MAY 16 1986

DIVISION OF  
OIL, GAS & MINING

## SUPERIOR OIL COMPANY MERGER

Dear Mr. Firth:

On September 20, 1984, The Superior Oil Company (Superior) became a wholly owned subsidiary of Mobil Corporation. Since January 1, 1985, Mobil Oil Corporation (MOC), another wholly owned subsidiary of Mobil Corporation, has acted as agent for Superior and has operated the Superior-owned properties.

On April 24, 1986, Superior was merged with Mobil Exploration and Producing North America Inc. (MEPNA), which is also a wholly owned subsidiary of Mobil Corporation. MEPNA is the surviving company of the merger.

This letter is to advise you that all properties held in the name of Superior will now be held in the name of MEPNA; and that these properties will continue to be operated by MOC as agent for MEPNA.

Attached is a listing of all wells and a separate listing of injection-disposal wells, Designation of Agent and an organization chart illustrating the relationships of the various companies. If you have any questions or require additional documentation of this merger, please feel free to contact me at the above address or (303) 298-2577.

Very truly yours,



CNE/rd  
CNE8661

R. D. Baker  
Environmental Regulatory Manager

# MONTHLY OIL AND GAS PRODUCTION REPORT

OPERATOR NAME AND ADDRESS:

ACCOUNT NUMBER: N0772

**RECEIVED**

**AUG 16 1993**

P J KONKEL  
 PHILLIPS PETROLEUM COMPANY  
 5525 HWY 64 NBU 3004  
 FARMINGTON NM 87401

REPORT PERIOD (MONTH/YEAR): 6 / 93

DIVISION OF OIL, GAS & MINING

AMENDED REPORT  (Highlight Changes)

Well Name API Number	Entity	Location	Producing Zone	Well Status	Days Oper	Production Volumes		
						OIL(BBL)	GAS(MCF)	WATER(BBL)
#21-23 4303713754	06280	41S 24E 21	DSCR	POW	29	1374	883	58
#3-44 4303715031	06280	41S 24E 3	DSCR	POW	30	111	94	2905
#3-14 4303715124	06280	41S 24E 3	DSCR	POW	30	67	23	302
#9-12 4303715126	06280	41S 24E 9	DSCR	POW	30	112	654	17363
#9-14 4303715127	06280	41S 24E 9	DSCR	POW	30	201	315	423
#28-12 4303715336	06280	41S 24E 28	PRDX	POW	29	112	47	2428
#29-12 4303715337	06280	41S 24E 29	PRDX	POW	29	56	0	672
#29-32 4303715339	06280	41S 24E 29	DSCR	POW	29	1402	287	2224
#29-34 4303715340	06280	41S 24E 29	DSCR	POW	29	757	48	0
#30-32 4303715342	06280	41S 24E 30	DSCR	POW	29	588	1049	3744
#3-12 4303715620	06280	41S 24E 3	DSCR	POW	30	268	11	363
#9-34 4303715711	06280	41S 24E 9	DSCR	POW	30	45	46	9800
#10-12 4303715712	06280	41S 24E 10	DSCR	POW	30	45	23	1088
TOTALS						5138	3480	41370

COMMENTS: Effective July 1, 1993, Phillips Petroleum Company has sold its interest in the Ratherford Unit to Mobil Exploration and Producing U.S., Incorporated, P. O. Box 633, Midland, Texas 79702. Mobil assumed operations on July 1, 1993.

I hereby certify that this report is true and complete to the best of my knowledge. Date: 8/11/93

Name and Signature: PAT KONKEL *Pat Konkell* Telephone Number: 505 599-3452

STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING

<p><b>SUNDRY NOTICES AND REPORTS ON WELLS</b> (Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT—" for such proposals.)</p>		<p>5. LEASE DESIGNATION &amp; SERIAL NO.</p>
<p>1. OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/></p>		<p>6. IF INDIAN, ALLOTTEE OR TRIBE NAME NAVAJO TRIBAL</p>
<p>2. NAME OF OPERATOR MOBIL OIL CORPORATION</p>		<p>7. UNIT AGREEMENT NAME RATHERFORD UNIT</p>
<p>3. ADDRESS OF OPERATOR P. O. BOX 633 MIDLAND, TX 79702</p>		<p>8. FARM OR LEASE NAME</p>
<p>4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface  At proposed prod. zone</p>		<p>9. WELL NO.</p>
<p>14. API NO.</p>		<p>10. FIELD AND POOL, OR WILDCAT GREATER ANETH</p>
<p>15. ELEVATIONS (Show whether DF, RT, GR, etc.)</p>		<p>11. SEC., T., R., M. OR BLK. AND SURVEY OR AREA</p>
<p>12. COUNTY SAN JUAN</p>		<p>13. STATE UTAH</p>

RECEIVED

SEP 15 1993

DIVISION OF  
OIL, GAS & MINING

16. Check Appropriate Box To Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:	SUBSEQUENT REPORT OF:																				
<table style="width:100%;"> <tr> <td style="width: 50%;">TEST WATER SHUT-OFF <input type="checkbox"/></td> <td style="width: 50%;">PULL OR ALTER CASING <input type="checkbox"/></td> </tr> <tr> <td>FRACTURE TREAT <input type="checkbox"/></td> <td>MULTIPLE COMPLETE <input type="checkbox"/></td> </tr> <tr> <td>SHOOT OR ACIDIZE <input type="checkbox"/></td> <td>ABANDON <input type="checkbox"/></td> </tr> <tr> <td>REPAIR WELL <input type="checkbox"/></td> <td>CHANGE PLANS <input type="checkbox"/></td> </tr> <tr> <td>(Other) <input type="checkbox"/></td> <td></td> </tr> </table>	TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON <input type="checkbox"/>	REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) <input type="checkbox"/>		<table style="width:100%;"> <tr> <td style="width: 50%;">WATER SHUT-OFF <input type="checkbox"/></td> <td style="width: 50%;">REPAIRING WELL <input type="checkbox"/></td> </tr> <tr> <td>FRACTURE TREATMENT <input type="checkbox"/></td> <td>ALTERING CASING <input type="checkbox"/></td> </tr> <tr> <td>SHOOTING OR ACIDIZING <input type="checkbox"/></td> <td>ABANDONMENT* <input type="checkbox"/></td> </tr> <tr> <td colspan="2">(Other) <u>CHANGE OF OPERATOR</u> <input type="checkbox"/></td> </tr> <tr> <td colspan="2">(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)</td> </tr> </table>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>	(Other) <u>CHANGE OF OPERATOR</u> <input type="checkbox"/>		(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)	
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REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>																				
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SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>																				
(Other) <u>CHANGE OF OPERATOR</u> <input type="checkbox"/>																					
(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)																					
APPROX. DATE WORK WILL START _____	DATE OF COMPLETION _____																				

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

\* Must be accompanied by a cement verification report.

AS OF JULY1, 1993, MOBIL OIL CORPORATION IS THE OPERATOR OF THE RATHERFORD UNIT.  
ATTACHED ARE THE INDIVIDUAL WELLS.

18. I hereby certify that the foregoing is true and correct

SIGNED Shirley Todd TITLE ENV. & REG TECHNICIAN DATE 9-8-93

(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_

CONDITIONS OF APPROVAL, IF ANY:

MONTHLY OIL AND GAS DISPOSITION REPORT

OPERATOR NAME AND ADDRESS:

*Sheffield*  
BRIAN BERRY  
~~MEPNA MOBIL~~  
POB 219031 1807A RENTWR F.O. DRAWER G  
DALLAS TX 75221-9031 *CORTEZ, Co. 81321*

UTAH ACCOUNT NUMBER: N7370

REPORT PERIOD (MONTH/YEAR): 7 / 93

AMENDED REPORT  (Highlight Changes)

*\*931006 updated. fee*

ENTITY NUMBER	PRODUCT	GRAVITY BTU	BEGINNING INVENTORY	VOLUME PRODUCED	DISPOSITIONS				ENDING INVENTORY
					TRANSPORTED	USED ON SITE	FLARED/VENTED	OTHER	
05980	OIL			177609	177609	0			
	GAS			72101	66216	5885			
11174	OIL								
	GAS								
	OIL								
	GAS								
	OIL								
	GAS								
	OIL								
	GAS								
	OIL								
	GAS								
	OIL								
	GAS								
TOTALS				249710	243825	5885			

**RECEIVED**  
SEP 13 1993  
DIVISION OF OIL, GAS & MINING

COMMENTS: *PLEASE NOTE ADDRESS change. Mobil ~~also~~ PRODUCTION REPORTS will be compiled and sent from the Cortez, Co. office IN THE FUTURE.*

I hereby certify that this report is true and complete to the best of my knowledge.

Date: 9/5/93

Name and Signature: *Twill B Sheffield*

Telephone Number: *303.565.2212*  
~~244.658.2528~~

Sept 29, 1993

TO: Lisha Cordova - Utah Mining  
Oil & Gas

FROM: Janice Casley  
BLM Farmington, NM  
505 599-6355

Here is copy of Rotherford Unit  
Successor Operator.

4 pages including this one.

*Like Rutherford Unit (GC)*

RECEIVED  
BLM

JUL 27 11:44

Navajo Area Office  
P. O. Box 1060  
Gallup, New Mexico 87305-1060

070 FARMINGTON, NM

ARES/543

JUL 26 1993

Mr. G. D. Cox  
Mobil Exploration and  
Producing North America, Inc.  
P. O. Box 633  
Midland, Texas 79702

MINERALS DIVISION
NO. 192
DATE
BY
REMARKS
FILED
ALL SUPPLY
FILED

Dear Mr. Cox:

Enclosed for your information and use is the approved Designation of Operator between the Phillips Petroleum Company and Mobil Exploration and Producing North America, Inc. for the Rutherford Unit.

Please note that all other concerned parties will be furnished their copy of the approved document.

Sincerely,

ACTING Area Director

Enclosure

cc: Bureau of Land Management, Farmington District Office w/enc.  
TNN, Director, Minerals Department w/enc.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF INDIAN AFFAIRS

RECEIVED  
BLM

DESIGNATION OF OPERATOR

Phillips Petroleum Company is, on the records of the Bureau of Indian Affairs, operator of the Rutherford Unit,

SEP 27 11:44

AREA OFFICE: Window Rock, Arizona  
LEASE NO: Attached hereto as Exhibit "A"

070 FARMINGTON, NM

and, pursuant to the terms of the Rutherford Unit Agreement, is resigning as Unit Operator effective July 1, 1993, and hereby designates

NAME: Mobil Exploration and Producing North America Inc., duly elected pursuant to the terms of the Rutherford Unit Agreement,

ADDRESS: P. O. Box 633, Midland, Texas 79702  
Attn: G. D. Cox

as Operator and local agent, with full authority to act on behalf of the Rutherford Unit lessees in complying with the terms of all leases and regulations applicable thereto and on whom the authorized officer may serve written or oral instructions in securing compliance with the Operating Regulations (43 CFR 3160 and 25 CFR 211 and 212) with respect to (described acreage to which this designation is applicable):

Attached hereto as Exhibit "A"

Bond coverage under 25 CFR 211, 212 or 225 for lease activities conducted by the above named designated operator is under Bond Number 05202782 (attach copy). Evidence of bonding is required prior to the commencement of operations.

It is understood that this designation of operator does not relieve any lessee of responsibility for compliance with the terms of the leases and the Operating Regulations. It is also understood that this designation of operator does not constitute an assignment of any interest in the leases.

In case of default on the part of the designated operator, the lessees will make full and prompt compliance with all regulations, lease terms, stipulations, or orders of the Secretary of the Interior or his representative.

Attached is the appropriate documentation relevant to this document.

The designated operator agrees to promptly notify the authorized officer of any change in the operatorship of said Rutherford Unit.

Phillips Petroleum Company

June 17, 1993

By: M. B. [Signature]  
Attorney-in-Fact

Mobil Exploration and Producing  
North America Inc.

June 11, 1993

By: B. D. [Signature]  
Attorney-in-Fact B.D. MARTINY

[Signature] ACTING AREA DIRECTOR  
APPROVED BY TITLE DATE  
7/9/93

APPROVED PURSUANT, TO SECRETARIAL REDELEGATION ORDER 209 DM 8 AND 230 DM 3.

This form does not constitute an information collection as defined by 44 U.S.C. 3502 and therefore does not require OMB approval.

EXHIBIT "A"

ATTACHED TO AND MADE A PART OF DESIGNATION OF SUCCESSOR OPERATOR, RATHERFORD UNIT

EXHIBIT "C"

Revised as of September 29, 1992  
SCHEDULE OF TRACT PERCENTAGE PARTICIPATION

<u>Tract Number</u>	<u>Description of Land</u>	<u>Serial Number and Effective Date of Lease</u>	<u>Tract Percentage Participation</u>
1	S/2 Sec. 1, E/2 SE/4 Sec. 2, E/4 Sec. 11, and all of Sec. 12, T-41-S, R-23-E, S.L.M. San Juan County, Utah	14-20-603-246-A Oct. 5, 1953	11.0652565
2	SE/4 and W/2 SW/4 Sec. 5, the irregular SW/4 Sec. 6, and all of Sec. 7 and 8, T-41-S, R-24-E, San Juan County, Utah	14-20-603-368 Oct. 26, 1953	14.4159942
3	SW/4 of Sec. 4, T-41-S, R-24-E, San Juan County, Utah	14-20-603-5446 Sept. 1, 1959	.5763826
4	SE/4 Sec. 4, and NE/4 Sec. 9, T-41-S, R-24-E, San Juan County, Utah	14-20-603-4035 March 3, 1958	1.2587779
5	SW/4 of Sec. 3, T-41-S, R-24-E, S.L.M., San Juan County, Utah	14-20-603-5445 Sept. 3, 1959	.4667669
6	NW/4 of Sec. 9, T-41-S, R-24-E, S.L.M., San Juan County, Utah	14-20-603-5045 Feb. 4, 1959	1.0187043
7	NW/4, W/2 NE/4, and SW/4 Sec. 10, SE/4 Sec. 9, T-41-S, R-24-E, San Juan County, Utah	14-20-603-4043 Feb. 18, 1958	3.5097575
8	SW/4 Sec. 9, T-41-S, R-24-E, S.L.M. San Juan County, Utah	14-20-603-5046 Feb. 4, 1959	1.1141679
9	SE/4 Sec. 10 and S/2 SW/4 Sec. 11 T-41-S, R-24-E, San Juan County, Utah	14-20-603-4037 Feb. 14, 1958	2.6186804
10	All of Sec. 13, E/2 Sec. 14, and E/2 SE/4 and N/2 Sec. 24, T-41-S, R-23-E, S.L.M., San Juan County, Utah	14-20-603-247-A Oct. 5, 1953	10.3108861
11	Sections 17, 18, 19 and 20, T-41-S, R-24-E, San Juan County Utah	14-20-603-353 Oct. 27, 1953	27.3389265
12	Sections 15, 16, 21, and NW/4, and W/2 SW/4 Sec. 22, T-41-S, R-24-E, San Juan County, Utah	14-20-603-355 Oct. 27, 1953	14.2819339
13	W/2 Section 14, T-41-S, R-24-E, San Juan County, Utah	14-20-603-370 Oct. 26, 1953	1.8500847
14	N/2 and SE/4, and E/2 SW/4 Sec. 29, NE/4 and E/2 SE/4 and E/2 W/2 irregular Sec. 30, and E/2 NE/4 Sec. 32, T-41-S, R-24-E, San Juan County, Utah	14-20-603-407 Dec. 10, 1953	6.9924969
15	NW/4 Sec. 28, T-41-S, R24-E San Juan County, Utah	14-20-603-409 Dec. 10, 1953	.9416393
16	SE/4 Sec. 3, T-41-S, R-24-E San Juan County, Utah	14-20-0603-6504 July 11, 1961	.5750254
17	NE/4 Sec. 3, T-41-S, R-24-E San Juan County, Utah	14-20-0603-6505 July 11, 1961	.5449292
18	NW/4 Sec. 3, T-41-S, R-24-E San Juan County, Utah	14-20-0603-6506 July 11, 1961	.5482788
19	NE/4 Sec. 4, T-41-S, R24-E San Juan County, Utah	14-20-0603-7171 June 11, 1962	.4720628
20	E/2 NW/4 Sec. 4, T-41-S, R-24-E San Juan County, Utah	14-20-0603-7172 June 11, 1962	.0992482
100%	Indian Lands	TOTAL 12,909.74	100.0000000

Division of Oil, Gas and Mining  
PHONE CONVERSATION DOCUMENTATION FORM

Route original/copy to:

Well File \_\_\_\_\_

Suspense \_\_\_\_\_

Other  
OPERATOR CHANGE

(Location) Sec \_\_\_ Twp \_\_\_ Rng \_\_\_

(Return Date) \_\_\_\_\_

(API No.) \_\_\_\_\_

(To - Initials) \_\_\_\_\_

1. Date of Phone Call: 10-6-93 : Time: 9:30

2. DOGM Employee (name) L. CORDOVA (Initiated Call   
Talked to:

Name GLEN COX (Initiated Call  - Phone No. (915 )688-2114

of (Company/Organization) MOBIL

3. Topic of Conversation: OPERATOR CHANGE FROM PHILLIPS TO MOBIL "RATHERFORD UNIT".

(NEED TO CONFIRM HOW OPERATOR WANTS THE WELLS SET UP - MEPNA AS PER BIA APPROVAL

OR MOBIL OIL CORPORATION AS PER SUNDRY DATED 9-8-93?)

4. Highlights of Conversation: \_\_\_\_\_

MR. COX CONFIRMED THAT THE WELLS SHOULD BE SET UNDER ACCOUNT N7370/MEPNA AS

PER BIA APPROVAL, ALSO CONFIRMED THAT PRODUCTION & DISPOSITION REPORTS WILL NOW

BE HANDLED OUT OF THEIR CORTEZ OFFICE RATHER THAN DALLAS.

MEPNA-

PO DRAWER G

CORTEZ, CO 81321

(303)565-2212

\*ADDRESS CHANGE AFFECTS ALL WELLS CURRENTLY OPERATED BY MEPNA, CURRENTLY

REPORTED OUT OF DALLAS (MCELMO CREEK).

Division of Oil, Gas and Mining  
**OPERATOR CHANGE WORKSHEET**

Routing:

1	VEC/117-93
2	DEPT 58-1118
3	VLC
4	RJFV
5	JBF
6	PL

Attach all documentation received by the division regarding this change.  
 Initial each listed item when completed. Write N/A if item is not applicable.

- Change of Operator (well sold)       Designation of Agent  
 Designation of Operator             Operator Name Change Only

The operator of the well(s) listed below has changed (EFFECTIVE DATE: 7-1-93)

TO (new operator)	<u>M E P N A</u>	FROM (former operator)	<u>PHILLIPS PETROLEUM COMPANY</u>
(address)	<u>PO DRAWER G</u>	(address)	<u>5525 HWY 64 NBU 3004</u>
	<u>CORTEZ, CO 81321</u>		<u>FARMINGTON, NM 87401</u>
	<u>GLEN COX (915)688-2114</u>		<u>PAT KONKEL</u>
	phone <u>(303) 565-2212</u>		phone <u>(505) 599-3452</u>
	account no. <u>N7370</u>		account no. <u>N0772(A)</u>

Well(s) (attach additional page if needed):      **\*RATHERFORD UNIT (NAVAJO)**

Name: <b>**SEE ATTACHED**</b>	API: <u>43037-30918</u>	Entity: _____	Sec. _____	Twp. _____	Rng. _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec. _____	Twp. _____	Rng. _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec. _____	Twp. _____	Rng. _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec. _____	Twp. _____	Rng. _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec. _____	Twp. _____	Rng. _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec. _____	Twp. _____	Rng. _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec. _____	Twp. _____	Rng. _____	Lease Type: _____

**OPERATOR CHANGE DOCUMENTATION**

- See 1. (Rule R615-8-10) Sundry or other legal documentation has been received from former operator (Attach to this form). (Reg. 8-20-93) (6/93 Prod. Rpt. 8-16-93)
- See 2. (Rule R615-8-10) Sundry or other legal documentation has been received from new operator (Attach to this form). (Reg. 8-31-93) (Rec'd 9-14-93)
- N/A 3. The Department of Commerce has been contacted if the new operator above is not currently operating any wells in Utah. Is company registered with the state? (yes/no) \_\_\_\_\_ If yes, show company file number: \_\_\_\_\_.
- See 4. (For Indian and Federal Wells ONLY) The BLM has been contacted regarding this change (attach Telephone Documentation Form to this report). Make note of BLM status in comments section of this form. Management review of Federal and Indian well operator changes should take place prior to completion of steps 5 through 9 below.
- See 5. Changes have been entered in the Oil and Gas Information System (Wang/IBM) for each well listed above. (O&G wells 10-6-93) (wiw's 10-26-93)
- See 6. Cardex file has been updated for each well listed above. (O&G wells 10-6-93) (wiw's 10-26-93)
- See 7. Well file labels have been updated for each well listed above. (O&G wells 10-6-93) (wiw's 10-26-93)
- See 8. Changes have been included on the monthly "Operator, Address, and Account Changes" memo for distribution to State Lands and the Tax Commission. (10-6-93)
- See 9. A folder has been set up for the Operator Change file, and a copy of this page has been placed there for reference during routing and processing of the original documents.

ENTITY REVIEW

- Yes* 1. (Rule R615-8-7) Entity assignments have been reviewed for all wells listed above. Were entity changes made? (yes/no) no (If entity assignments were changed, attach copies of Form 6, Entity Action Form).
- N/A* 2. State Lands and the Tax Commission have been notified through normal procedures of entity changes.

BOND VERIFICATION (Fee wells only)

- Yes* / *N/A* 1. (Rule R615-3-1) The new operator of any fee lease well listed above has furnished a proper bond.
- 2. A copy of this form has been placed in the new and former operators' bond files.
- 3. The former operator has requested a release of liability from their bond (yes/no)   . Today's date                    19  . If yes, division response was made by letter dated                    19  .

LEASE INTEREST OWNER NOTIFICATION RESPONSIBILITY

- N/A* 1. (Rule R615-2-10) The former operator/lessee of any fee lease well listed above has been notified by letter dated                    19  , of their responsibility to notify any person with an interest in such lease of the change of operator. Documentation of such notification has been requested.   
*DC's 10-93*
- N/A* 2. Copies of documents have been sent to State Lands for changes involving State leases.

FILMING

- 1. All attachments to this form have been microfilmed. Date:   11-17   19  93  .

FILING

- Yes* 1. Copies of all attachments to this form have been filed in each well file.
- Yes* 2. The original of this form and the original attachments have been filed in the Operator Change file.

COMMENTS

931006 BIA/Btm Approved 7-9-93.

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✓ 19W-21	43-037-15741	14-20-603-353	SEC. 19, T41S, R24E	NE/NW 660' FNL 1860' FWL
✓ 19-22	43-037-31046	14-20-603-353	SEC. 19, T41S, R24E	SE/NW 1840' FNL; 1980' FWL
✓ 19W-23	43-037-15742	14-20-603-353	SEC. 19, T41S, R24E	NE/SW 2080' FSL; 1860' FWL
✓ 19-31	43-037-31047	14-20-603-353	SEC. 19, T41S, R24E	NW/NE 510' FNL; 1980' FEL
✓ 19-32	43-037-15743	14-20-603-353	SEC. 19, T41S, R24E	SW/NE 1980' FNL; 1980' FEL
✓ 19-33	43-037-31048	14-20-603-353	SEC. 19, T41S, R24E	NW/SE 1980' FSL; 1980' FEL
✓ 19-34	43-037-15744	14-20-603-353	SEC. 19, T41S, R24E	SW/SE 660' FSL; 1980' FEL
✓ 19W-41	43-037-15745	14-20-603-353	SEC. 19, T41S, R24E	NE/NE 660' FNL; 660' FEL
✓ 19-42	43-037-30916	14-20-603-353	SEC. 19, T41S, R24E	SE/NE 1880' FNL, 660' FEL
✓ 19W-43	43-037-16420	14-20-603-353	SEC. 19, T41S, R24E	NE/SE 1980' FSL; 760' FEL
✓ 19-44	43-037-31081	14-20-603-353	SEC. 19, T41S, R24E	SE/SE 660' FSL; 660' FEL
✓ 19-97	43-037-31596	14-20-603-353	SEC. 19, T41S, R24E	2562' FNL, 30' FEL
✓ 20-11	43-037-31049	14-20-603-353	SEC. 20, T41S, R24E	NW/NW 500' FNL; 660' FWL
✓ 20-12	43-037-15746	14-20-603-353	SEC. 20, T41S, R24E	1980' FNL, 660' FWL
✓ 20-13	43-037-30917	14-20-603-353	SEC. 20, T41S, R24E	NW/SW 2140' FSL, 500' FWL
✓ 20-14	43-037-15747	14-20-603-353	SEC. 20, T41S, R24E	660' FSL; 660' FWL
✓ 20W-21	43-037-16423	14-20-603-353	SEC. 20, T41S, R24E	660' FNL; 1880' FWL
✓ 20-22	43-037-30930	14-20-603-353	SEC. 20, T41S, R24E	SE/NW 2020' FNL; 2090' FWL
✓ 20W-23	43-037-15748	14-20-603-353	SEC. 20, T41S, R24E	NW/SW 2080; 2120' FWL
✓ 20-24	43-037-30918	14-20-603-353	SEC. 20, T41S, R24E	SE/SW 820' FSL; 1820' FWL
✓ 20-31	43-037-31050	14-20-603-353	SEC. 20, T41S, R24E	NW/NE 660' FNL; 1880' FEL
✓ 20-32	43-037-15749	14-20-603-353	SEC. 20, T41S, R24E	SW/NE 1980' FNL, 1980' FEL
✓ 20-33	43-037-30931	14-20-603-353	SEC. 20, T41S, R24E	NW/SE 1910' FSL; 2140' FEL
✓ 20-34	43-037-15750	14-20-603-353	SEC. 20, T41S, R24E	660' FSL; 1850' FEL
✓ 20W-41	43-037-15751	14-20-603-353	SEC. 20, T41S, R24E	NE/NE 660' FNL; 660' FEL
✓ 20-42	43-037-31051	14-20-603-353	SEC. 20, T41S, R24E	SE/NE 1980' FNL; 660' FEL
✓ 20W-43	43-037-16424	14-20-603-353	SEC. 20, T41S, R24E	2070' FSL; 810' FEL
✓ 20-44	43-037-30915	14-20-603-353	SEC. 20, T41S, R24E	SE/SE 620' FSL; 760' FEL
✓ 20-66	43-037-31592	14-20-603-353	SEC. 20, T41S, R24E	SW/NW 1221' FWL; 1369' FNL
✓ 21-11	43-037-31052	14-20-603-355	SEC. 21, T41S, R24E	NW/NW 660' FNL; 660' FWL
✓ 21-12	43-037-15752	14-20-603-355	SEC. 21, T41S, R24E	2080' FNL; 660' FWL
✓ 21-13	43-037-30921	14-20-603-355	SEC. 21, T41S, R24E	NW/SW 2030' FSL; 515' FWL
✓ 21-14	43-037-15753	14-20-603-355	SEC. 21, T41S, R24E	SW/SW 660' FSL; 460' FWL
✓ 21W-21	43-037-16425	14-20-603-355	SEC. 21, T41S, R24E	NE/NW 660' FNL; 2030' FWL
✓ 21-32	43-037-15755	14-20-603-355	SEC. 21, T41S, R24E	SW/NE 1880' FNL; 1980' FEL
✓ 21-33	NA	14-20-603-355	SEC. 21, T41S, R24E	2000' FSL; 1860' FEL
✓ 21-34	43-037-15756	14-20-603-355	SEC. 21, T41S, R24E	SW/SE 660' FSL; 1980' FEL
✓ 21W-41	43-037-16426	14-20-603-355	SEC. 21, T41S, R24E	660' FNL; 810' FEL
✓ 21W-43	43-037-16427	14-20-603-355	SEC. 21, T41S, R24E	NE/NE 1980' FSL; 660' FEL
✓ 24-11	43-037-15861	14-20-603-247A	SEC. 24, T41S, R24E	510' FNL; 810' FWL
✓ 24W-21	43-037-16429	14-20-603-247	SEC. 24, T41S, R24E	4695' FSL; 3300' FEL
✓ 24W-23	43-037-16430	14-20-603-247	SEC. 24, T41S, R24E	2080' FSL; 660' FEL
✓ 24-31W	43-037-15862	14-20-603-247A	SEC. 24, T41S, R24E	NW/NE 560' FNL; 1830' FEL
✓ 24-32	43-037-31593	14-20-603-247A	SEC. 24, T41S, R24E	SW/NE 2121' FNL; 1846' FEL
✓ 24-41	43-037-31132	14-20-603-247A	SEC. 24, T41S, R24E	NE/NE 660' FNL; 710' FEL
✓ 24W-42	43-037-15863	14-20-603-247A	SEC. 24, T41S, R24E	660' FSL; 1980' FNL
✓ 28-11	43-037-30446	14-20-603-409	SEC. 28, T41S, R24E	NW/NW 520' FNL; 620' FWL
✓ 28-12	43-037-15336	14-20-603-409B	SEC. 28, T41S, R24E	SW/SE/NW 2121' FNL; 623' FWL
✓ 29-11	43-037-31053	14-20-603-407	SEC. 29, T41S, R24E	NW/NW 770' FNL; 585' FWL
✓ 29W-21	43-037-16432	14-20-603-407	SEC. 29, T41S, R24E	NE/NW 667' FNL; 2122' FWL
✓ 29-22	43-037-31082	14-20-603-407	SEC. 29, T41S, R24E	SE/NW 2130' FNL; 1370' FWL
✓ 29W-23	43-037-15338	14-20-603-407	SEC. 29, T41S, R24E	NE/SW 1846' FSL; 1832' FWL
✓ 29-31	43-037-30914	14-20-603-407	SEC. 29, T41S, R24E	NW/NE 700' FNL; 2140' FEL
✓ 29-32	43-037-15339	14-20-603-407	SEC. 29, T41S, R24E	1951' FNL; 1755' FEL
✓ 29-33	43-037-30932	14-20-603-407	SEC. 29, T41S, R24E	NW/SE 1860' FSL; 1820' FEL
✓ 29-34	43-037-15340	14-20-603-407	SEC. 29, T41S, R24E	817' FSL; 2096' FEL
✓ 29W-41	43-037-16433	14-20-603-407	SEC. 29, T41S, R24E	557' FNL; 591' FEL
✓ 29W-42	43-037-30937	14-20-603-407	SEC. 29, T41S, R24E	SE/NE 1850' FNL; 660' FEL
✓ 29W-43	43-037-16434	14-20-603-407	SEC. 29, T41S, R24E	NE/SE 1980' FSL; 660' FEL
✓ 30-21W	43-037-16435	14-20-603-407	SEC. 30, T41S, R24E	660' FNL; 1920' FWL
✓ 30-32	43-037-15342	14-20-603-407	SEC. 30, T41S, R24E	SW/NE 1975' FNL; 2010' FEL
✓ 30W-41	43-037-15343	14-20-603-407	SEC. 30, T41S, R24E	NE/NE 660' FNL; 660' FEL
✓ 3-34	NA 4302715711	NA 14206034043	NA SEC. 9, T. 41S, R. 24E	NA SW/SE 660' FSL 1980' FEL
✓ 12-43	43-307-31202	14-20-603-246	SEC. 12, T41S, R23E	2100' FSL; 660' FEL
✓ 12W31	43-037-15847	14-20-603-246	SEC. 12, T41S, R23E	661' FNL; 1981' FEL
✓ 13W24	43-037-15853	14-20-603-247	SEC. 13, T41S, R23E	SE/SW 660' FSL; 3300' FEL
✓ 15W23	43-037-16412	14-20-603-355	SEC. 15, T41S, R24E	2140' FSL; 1820' FWL
✓ 17-24	43-037-31044	14-20-603-353	SEC. 17, T41S, R24E	SE/SW 720' FSL; 1980' FWL
✓ 18-13	43-037-15734	14-20-603-353	SEC. 18, T41S, R24E	NW/NW 1980' FSL; 500' FWL
✓ 18W32	43-037-15736	14-20-603-353	SEC. 18, T41S, R24E	SW/NE 2140' FNL; 1830' FEL
✓ 20-68	43-037-31591	14-20-603-353	SEC. 20, T41S, R24E	NW/SW 1276' FNL; 1615' FSL
✓ 21-23	43-037-13754	14-20-603-355	SEC. 21, T41S, R24E	NE/SW 1740' FSL 1740' FWL
✓ 28W21	43-037-16431	14-20-603-409	SEC. 29, T41S, R24E	660' FNL; 2022' FWL

PAID

PAID

PAID

PAID

**STATE OF UTAH**  
**DIVISION OF OIL, GAS AND MINING**  
 355 West North Temple, 3 Triad, Suite 350, Salt Lake City, UT 84180-1203

## MONTHLY OIL AND GAS PRODUCTION REPORT

OPERATOR NAME AND ADDRESS:

UTAH ACCOUNT NUMBER: N7370

C/O MOBIL OIL CORP  
 M E P N A  
 PO DRAWER G  
 CORTEZ CO 81321

REPORT PERIOD (MONTH/YEAR): 6 / 95

AMENDED REPORT  (Highlight Changes)

Well Name					Producing Zone	Well Status	Days Oper	Production Volumes		
API Number	Entity	Location		OIL(BBL)				GAS(MCF)	WATER(BBL)	
#20-13										
4303730917	06280	41S	24E	20	DSCR					
#20-24										
4303730918	06280	41S	24E	20	DSCR					
#21-13										
4303730921	06280	41S	24E	21	DSCR					
#20-22										
4303730930	06280	41S	24E	20	DSCR					
RATHERFORD UNIT 20-33										
4303730931	06280	41S	24E	20	DSCR					
#29-33										
4303730932	06280	41S	24E	29	IS-DC					
RATHERFORD UNIT 29-42										
4303730937	06280	41S	24E	29	DSCR					
RATHERFORD UNIT 17-24										
4303731044	06280	41S	24E	17	DSCR					
RATHERFORD UNIT 18-44										
4303731045	06280	41S	24E	18	DSCR					
RATHERFORD UNIT 19-22										
4303731046	06280	41S	24E	19	DSCR					
RATHERFORD UNIT 19-31										
4303731047	06280	41S	24E	19	DSCR					
RATHERFORD UNIT 19-33										
4303731048	06280	41S	24E	19	DSCR					
RATHERFORD UNIT 20-11										
4303731049	06280	41S	24E	20	DSCR					
<b>TOTALS</b>										

COMMENTS: \_\_\_\_\_

I hereby certify that this report is true and complete to the best of my knowledge.

Date: \_\_\_\_\_

Name and Signature: \_\_\_\_\_

Telephone Number: \_\_\_\_\_



Division of Oil, Gas and Mining  
**OPERATOR CHANGE WORKSHEET**

Routing:	
1-LEC	7-PL
2-LWP	8-SJ
3-BTS	9-FILE
4-VLC	
5-RJF	
6-LWP	

Attach all documentation received by the division regarding this change.  
 Initial each listed item when completed. Write N/A if item is not applicable.

- Change of Operator (well sold)                       Designation of Agent  
 Designation of Operator                               Operator Name Change Only

The operator of the well(s) listed below has changed (EFFECTIVE DATE: 8-2-95)

TO (new operator) <u>MOBIL EXPLOR &amp; PROD</u>	FROM (former operator) <u>M E P N A</u>
(address) <u>C/O MOBIL OIL CORP</u>	(address) <u>C/O MOBIL OIL CORP</u>
<u>PO DRAWER G</u>	<u>PO DRAWER G</u>
<u>CORTEZ CO 81321</u>	<u>CORTEZ CO 81321</u>
phone <u>(303) 564-5212</u>	phone <u>(303) 564-5212</u>
account no. <u>N7370</u>	account no. <u>N7370</u>

Well(s) (attach additional page if needed):

Name: <u>** SEE ATTACHED **</u>	API: <u>037-30918</u>	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____

**OPERATOR CHANGE DOCUMENTATION**

- N/A 1. (Rule R615-8-10) Sundry or other legal documentation has been received from former operator (Attach to this form).
- N/A 2. (Rule R615-8-10) Sundry or other legal documentation has been received from new operator (Attach to this form).
- N/A 3. The Department of Commerce has been contacted if the new operator above is not currently operating any wells in Utah. Is company registered with the state? (yes/no) \_\_\_\_\_ If yes, show company file number: \_\_\_\_\_.
- N/A 4. (For Indian and Federal Wells ONLY) The BLM has been contacted regarding this change (attach Telephone Documentation Form to this report). Make note of BLM status in comments section of this form. Management review of **Federal and Indian** well operator changes should take place prior to completion of steps 5 through 9 below.
- LWP 5. Changes have been entered in the Oil and Gas Information System (Wang/IBM) for each well listed above. (8-3-95)
- LWP 6. Cardex file has been updated for each well listed above. 8-21-95
- LWP 7. Well file labels have been updated for each well listed above. 9-28-95
- LWP 8. Changes have been included on the monthly "Operator, Address, and Account Changes" memo for distribution to State Lands and the Tax Commission. (8-3-95)
- LWP 9. A folder has been set up for the Operator Change file, and a copy of this page has been placed there for reference during routing and processing of the original documents.

**ENTITY REVIEW**

- Lee* 1. (Rule R615-8-7) Entity assignments have been reviewed for all wells listed above. Were entity changes made? (yes/no) no (If entity assignments were changed, attach copies of Form 6, Entity Action Form).
- N/A* 2. State Lands and the Tax Commission have been notified through normal procedures of entity changes.

**BOND VERIFICATION (Fee wells only) \* No Fee Lease Wells at this time!**

- N/A/ Lee* 1. (Rule R615-3-1) The new operator of any fee lease well listed above has furnished a proper bond.
2. A copy of this form has been placed in the new and former operators' bond files.
3. The former operator has requested a release of liability from their bond (yes/no) no. Today's date \_\_\_\_\_ 19\_\_\_\_. If yes, division response was made by letter dated \_\_\_\_\_ 19\_\_\_\_.

**LEASE INTEREST OWNER NOTIFICATION RESPONSIBILITY**

- N/A* 1. (Rule R615-2-10) The former operator/lessee of any **fee lease** well listed above has been notified by letter dated \_\_\_\_\_ 19\_\_\_\_, of their responsibility to notify any person with an interest in such lease of the change of operator. Documentation of such notification has been requested. *UTS 8/5/95*
- N/A* 2. Copies of documents have been sent to State Lands for changes involving State leases.

**FILMING**

1. All attachments to this form have been microfilmed. Date: October 6 19 95.

**FILING**

1. Copies of all attachments to this form have been filed in each well file.
2. The original of this form and the original attachments have been filed in the Operator Change file.

**COMMENTS**

*950803 LIC F5/Not necessary!*

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires November 30, 2000

**SUNDRY NOTICES AND REPORTS ON WELLS**

*Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.*

5. Lease Serial No.

**14-20-603-353**

6. If Indian, Allottee or Tribe Name

**NAVAJO TRIBAL**

7. If Unit or CA/Agreement, Name and/or No.

**RATHERFORD UNIT**

8. Well Name and No.

**RATHERFORD 20-24**

9. API Well No.

**43-037-30918**

10. Field and Pool, or Exploratory Area

**GREATER ANETH**

11. County or Parish, State

**SAN JUAN UT**

*SUBMIT IN TRIPLICATE - Other instructions on reverse side*

1. Type of Well

Oil Well  Gas Well  Other

2. Name of Operator

**MOBIL PRODUCING TX & NM INC.\*  
\*MOBIL EXPLORATION & PRODUCING US INC. AS AGENT FOR MPTM**

3a. Address

**P.O. Box 633, Midland TX 79702**

3b. Phone No. (include area code)

**(915) 688-2585**

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

**SEC. 20, T41S, R24E  
820' FSL & 1820' FWL**

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> Notice of Intent	<input checked="" type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal
			<input type="checkbox"/> Water Shut-Off
			<input type="checkbox"/> Well Integrity
			<input checked="" type="checkbox"/> Other <u>ADD</u>
			<u>PERFORATIONS</u>

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the final site is ready for final inspection.)

SEE ATTACHED PROCEDURE FOR ACID AND ADDITIONAL PERFS.

**COPY SENT TO OPERATOR**  
Date: 10-18-99  
Initials: CHD

**Accepted by the  
Utah Division of  
Oil, Gas and Mining  
FOR RECORD ONLY**

OCT 15 1999  
DIV. OF OIL, GAS & MINING

14. I hereby certify that the foregoing is true and correct

Name (Printed/Typed)

**SHIRLEY HOUCHINS**

Title

**ENVIRONMENTAL & REGULATORY TECH**

Date

**10-12-99**

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved by

Title

*Federal Approval of this  
Action is Necessary*

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on reverse)

### **Workover Overview:**

---

The goal of this workover is to increase production through an acid fracture using 15% SXE (emulsified acid) as the fracturing fluid. The Desert Creek IA, IB & IC are the zones of interest. Perforations will be added in the IB and IC.

### **Technical Overview:**

The fracture will be initiated in the Desert Creek IA, IB & IC. The design of the fracture is such that it will not extend into the Ismay or the Desert Creek IIB. Estimated effective fracture half-length is 118' with an average etched width of 0.050" and an average conductivity of 7773 md-ft.

### **Current Status:**

Currently this well produces 84/9/42. Little to no injection response has been observed so far.

### **Economics/Justification:**

-

**RATHERFORD UNIT 20-24**  
**ACID FRAC PROCEDURE**

---

1. **MIRU DDPU. Check w/Ratherford Unit technician/engineer. Pumping unit may be replaced/adjusted as a result of this workover. POH w/rods and pump as follows**

- ⇒ PR
- ⇒ ?? 1" pony rods
- ⇒ 83 – 1" rods
- ⇒ 83 – 7/8" rods
- ⇒ 63 – 3/4" rods
- ⇒ 2.5" x 1.50" x 24' insert pump

2. **Evaluate rod condition for replacement. Send pump for repair. Kill well as necessary. ND wellhead/NU BOP's and test using chart. Release TAC and POH w/production string as follows:**

- ⇒ 165 jt - 2-7/8" tubing
- ⇒ 7" x 2-7/8" TAC @ 5462'
- ⇒ 3 jts – 2-7/8" tubing
- ⇒ 3 jts – 2-7/8" IPC tubing
- ⇒ 2-7/8" seating nipple @ 5650'
- ⇒ 2-7/8" x 4' perfed sub
- ⇒ 2-7/8" mud anchor @ 5685'

3. **LD and inspect top, middle and bottom joints. Redress/Replace TAC. MI and rack 2-7/8" WS.**

4. **RIH w/6-1/8" bit on 2-7/8" WS. (7", 23#, surf-4639', 7", 26#, 4640'-5749'.) CO to 5696' – PBTD. Bottom perf – 5635'. Circulate hole clean. POH w/bit.**

5. **Perforate Desert Creek pay as follows:**

**MIRU wireline. RIH w/4" casing gun loaded @ 2 JSPF with Owen 19 gm charges, 120 degree phasing. Correlate to Gearhart GR/CNL/CDL dated 12/06/83. May have to also use Gearhart GR/CBL/CCL dated 01/07/84 to get on depth by collars. Mobil perforating safety guidelines require the use of a 50 ohm or greater resistance type blasting cap and grounding wire.**

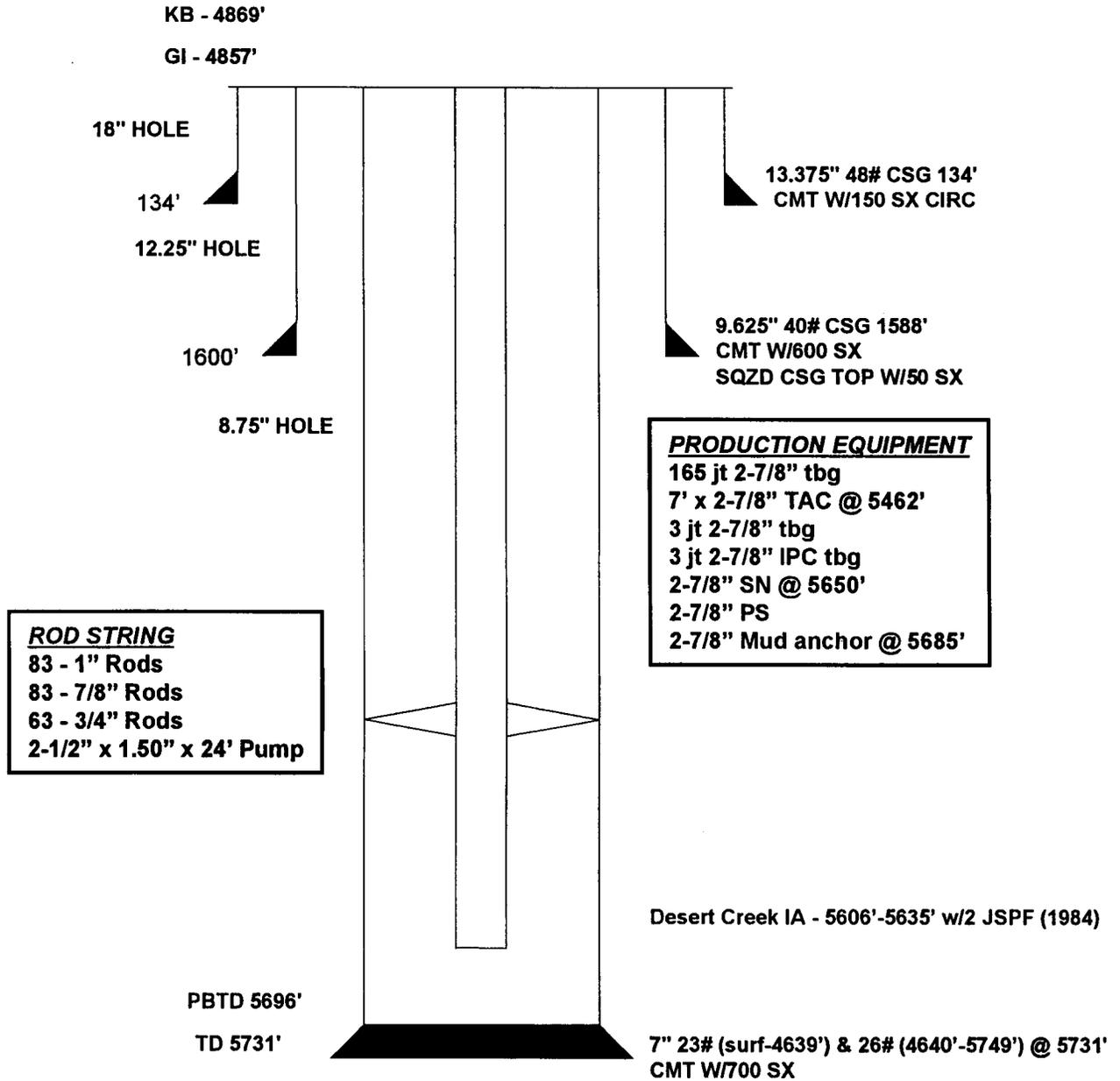
8. **RDMO Dowell. SXE needs 4-6 hours for emulsion to break. MIRU Pro-Technics to log treated interval.**

---

9. **Flow/Swab well as necessary. Recover load to tanks until returns are clean. Tretolite technician, Gary Roberts (970/749-7175) will make call as to when well is ready to be put down flowline.**
10. **If well will flow, set profile plug and release from on/off. LD WS. RIH w/on/off overshot on production tubing. Circulate packer fluid. Latch on/off tool. Consult w/Engineer prior to killing well.**
11. **If necessary to put on pump, kill well as necessary. Release packer and POH, LD WS.**
12. **RIH, testing production tubing as follows:**
  - ⇒ **2-7/8" mud anchor @ 5685'**
  - ⇒ **2-7/8" x 4' perfed sub**
  - ⇒ **2-7/8" seating nipple @ 5650'**
  - ⇒ **3 jts – 2-7/8" IPC tubing**
  - ⇒ **3 jts – 2-7/8" tubing**
  - ⇒ **7" x 2-7/8" TAC @ 5462'**
  - ⇒ **+/-165 jt - 2-7/8" tubing**
13. **ND BOP's. NU wellhead. RIH w/rods and pump as directed by Ratherford Unit technician/engineer.**
  - ⇒ **2.5" x 2.00" x 24' insert pump**
  - ⇒ **63 – 3/4" rods**
  - ⇒ **83 – 7/8" rods**
  - ⇒ **83 – 1" rods**
  - ⇒ **1" pony rods as needed to space out**
  - ⇒ **PR**
14. **Space out w/pump +/-14" off bottom.**
15. **Hang well on. Pressure tubing w/unit.**
16. **Clean location. RDMO DDP. Turn well over to production. Notify Ratherford Production Technician, James Madison – 565-1351.**

**RATHERFORD UNIT 20-24  
 GREATER ANETH FIELD UTAH  
 820' FSL & 1820' FWL  
 SEC 20-T41S-R24E  
 SAN JUAN COUNTY UTAH  
 API 43-037-30918  
 PRISM 0043098**

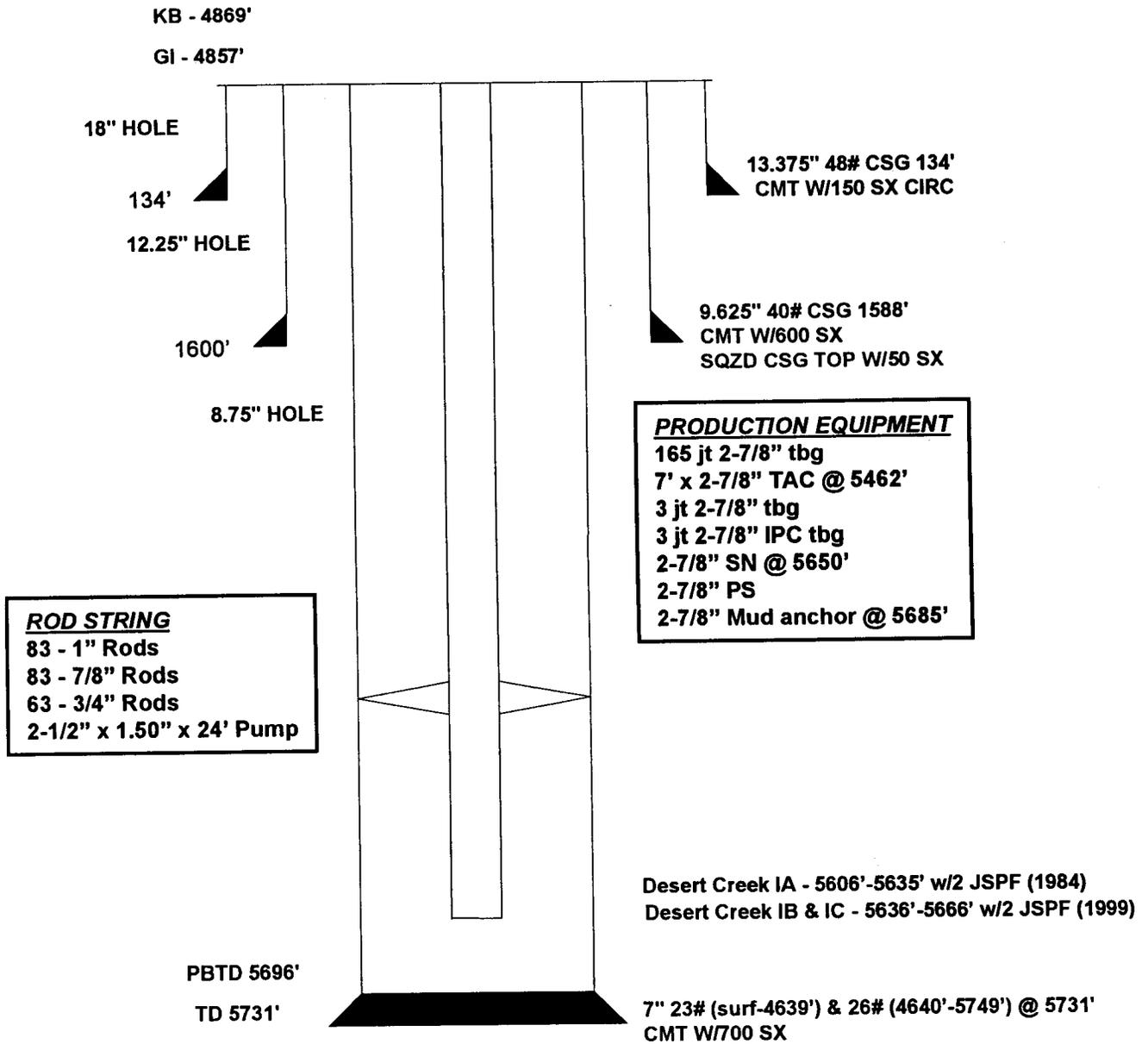
**PRODUCER  
 CURRENT**



L. BERNHARDT 2/17/94  
 R. L. Adams 09/30/99

**RATHERFORD UNIT 20-24  
 GREATER ANETH FIELD UTAH  
 820' FSL & 1820' FWL  
 SEC 20-T41S-R24E  
 SAN JUAN COUNTY UTAH  
 API 43-037-30918  
 PRISM 0043098**

**PRODUCER  
 PROPOSED**



L. BERNHARDT 2/17/94  
 R. L. Adams 09/30/99

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires November 30, 2000

5. Lease Serial No.  
**14-20-603-353**

6. If Indian, Allottee or Tribe Name  
**NAVAJO TRIBAL**

7. If Unit or CA/Agreement, Name and/or No.  
**RATHERFORD UNIT**

8. Well Name and No.  
**RATHERFORD 20-24**

9. API Well No.  
**43-037-30918**

10. Field and Pool, or Exploratory Area  
**GREATER ANETH**

11. County or Parish, State  
**SAN JUAN UT**

SUBMIT IN TRIPLICATE - Other instructions on reverse side

1. Type of Well  
 Oil Well     Gas Well     Other

2. Name of Operator  
**MOBIL PRODUCING TX & NM INC.\***  
**\*MOBIL EXPLORATION & PRODUCING US INC. AS AGENT FOR MPTM**

3a. Address  
**P.O. Box 633, Midland TX 79702**

3b. Phone No. (include area code)  
**(915) 688-2585**

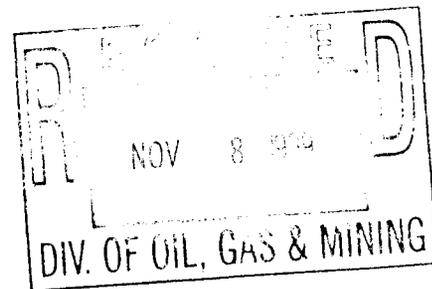
4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
**SEC. 20, T41S, R24E**  
**820' FSL & 1820' FWL**

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> Notice of Intent	<input checked="" type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)
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SEE ATTACHED 10-15-99 -- 10-23-99 ACID AND ADDITIONAL PERFS.



14. I hereby certify that the foregoing is true and correct  
 Name (Printed/Typed) **SHIRLEY HOCHINS**

Title **ENVIRONMENTAL & REGULATORY TECH**

Date **11-02-99**

*Shirley Hochins for*

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by \_\_\_\_\_ Title \_\_\_\_\_ Date \_\_\_\_\_

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office \_\_\_\_\_

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**ATTACHMENT - FORM 3160-5**  
**RATHERFORD UNIT - WELL #20-24**  
**14-20-603-353**  
**NAVAJO TRIBAL**  
**SAN JUAN, UTAH**

- 10-15-99 NOTIFIED CHARMAIN HESTEEEN W/ NAVAJO E. P. A. OF INTENT TO DIG AND LINE GROUND PIT. MIRU MONTEZUMA 15, BLED DN WELL, UNSEAT PUMP, POOH W/RODS PUMP, W/O SPEAR, KILL WELL, SPEAR TBG NIP DN WELL HEAD, REL TAC, NIP BOOP, POOH W/TBG , RIH W/BIT CSG SCRAPER ON PH-6 TBG.
- 10-16-99 SITP /CSG PRESSURE 100#, BLED GAS, KILLED, CONT TALLY WS TBG, TAG @ 5691', POOH W/TBG TO 2000', SWISDFN. & SUNDAY.
- 10-18-99 SITP/CSG @ 120#, BLED OFF GAS, KILL W/F-WTR, POOH W/BIT CSG, MIRU BASIN PERF WL, PERF W/4" CSG GUN 2 JSPF @ 5636-5666'; RIH W/TREATING PKR, TBG TO 5549', TEST 7" CSG TO 1010#, 15 MIN. HELD OK. BLED OFF SWISDFN.
- 10-19-99 MIRU TEFTELLERS SL UT. SET "F" PLUG, TEST TBG TO 3500#, OK, J OFF ON/OFF TOOL, CIRC GAS OFF, LATCHED ON TEST CSG TO 1000#, OK. FISHED PLUG, UNABLE TO FISH, PULLED LINE INTO @ SURF., REL PKR POOH, PREP FOR ACID FRAC. SWISDFN.
- 10-20-99 SIP 0#, KILLED, CUT S.L. W/LINE CUTTER SPOOLED OUT, POOH W/TBG, CHANGE OUT PKR/ON/OFF TOOL, RIH W/PKR TOOLS ON PH6 TBG TO 5549', SET PKR, LOAD WORK GAS OUT, TEST TO 1000#, OK, RU D/S TO TREAT; 5606-5666' (ZONES 1A.1B.1C) W/7000 GALS 15% HCL +.
- 10-21-99 SI 10.5 HRS, TBG ON HARD VAC. W/O LOGGING TRUCK, LOGGED FRAC, FOUND MOST IN /BELOW 1B & 1C. RU & SWAB, SWISDFN.
- 10-22-99 SIP 0#, SWAB, REL PKR, LET FLUID FALL & EQUALIZE, 5% OIL, REL PKR, POOH LD WS TBG, RIH W/PROD TBG, NIP DN STACK, SET TAC @ 5445', INSTALL WELLHEAD, PU TOOLS. OPEN DN FLOW LINE, SWISDFN.
- 10-23-99 PREPARE & RIH W/INSERT PUMP & RODS, HUNG ON, PUMP TEST TO 600#, GOOD, RD PUMP EQUIP & RDMO, TURN TO PRODUCTION, FINAL REPORT.





UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires November 30, 2000

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**14-20-603-353**

6. If Indian, Allottee or Tribe Name  
**NAVAJO TRIBAL**

7. If Unit or CA/Agreement, Name and/or No.  
**RATHERFORD UNIT**

8. Well Name and No.  
**RATHERFORD 20-24**

9. API Well No.  
**43-037-30918**

10. Field and Pool, or Exploratory Area  
**GREATER ANETH**

11. County or Parish, State  
**SAN JUAN UT**

*SUBMIT IN TRIPLICATE - Other instructions on reverse side*

1. Type of Well  
 Oil Well     Gas Well     Other

2. Name of Operator  
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**\*MOBIL EXPLORATION & PRODUCING US INC. AS AGENT FOR MPTM**

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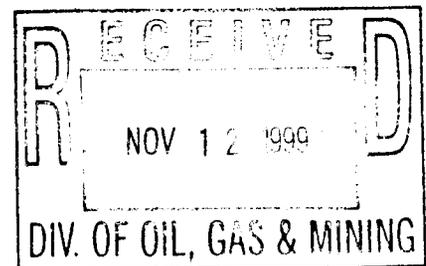
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SEE ATTACHED 10-15-99 -- 10-23-99 ACID AND ADDITIONAL PERFS.



14. I hereby certify that the foregoing is true and correct  
 Name (Printed/Typed) **SHIRLEY HOUCHINS**

Title **ENVIRONMENTAL & REGULATORY TECH**

Date **11-02-99**

*Shirley Houchins for*

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved by \_\_\_\_\_ Title \_\_\_\_\_ Date \_\_\_\_\_

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**14-20-603-353**  
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**SAN JUAN, UTAH**

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- 10-16-99 SITP /CSG PRESSURE 100#, BLED GAS, KILLED, CONT TALLY WS TBG, TAG @ 5691', POOH W/TBG TO 2000', SWISDFN. & SUNDAY.
- 10-18-99 SITP/CSG @ 120#, BLED OFF GAS, KILL W/F-WTR, POOH W/BIT CSG, MIRU BASIN PERF WL, PERF W/4" CSG GUN 2 JSPF @ 5636-5666'; RIH W/TREATING PKR, TBG TO 5549', TEST 7" CSG TO 1010#, 15 MIN. HELD OK. BLED OFF SWISDFN.
- 10-19-99 MIRU TEFTELLERS SL UT. SET "F" PLUG, TEST TBG TO 3500#, OK, J OFF ON/OFF TOOL, CIRC GAS OFF, LATCHED ON TEST CSG TO 1000#, OK. FISHED PLUG, UNABLE TO FISH, PULLED LINE INTO @ SURF., REL PKR POOH, PREP FOR ACID FRAC. SWISDFN.
- 10-20-99 SIP 0#, KILLED, CUT S.L. W/LINE CUTTER SPOOLED OUT, POOH W/TBG, CHANGE OUT PKR/ON/OFF TOOL, RIH W/PKR TOOLS ON PH6 TBG TO 5549', SET PKR, LOAD WORK GAS OUT, TEST TO 1000#, OK, RU D/S TO TREAT; 5606-5666' (ZONES 1A.1B.1C) W/7000 GALS 15% HCL +.
- 10-21-99 SI 10.5 HRS, TBG ON HARD VAC. W/O LOGGING TRUCK, LOGGED FRAC, FOUND MOST IN /BELOW 1B & 1C. RU & SWAB, SWISDFN.
- 10-22-99 SIP 0#, SWAB, REL PKR, LET FLUID FALL & EQUALIZE, 5% OIL, REL PKR, POOH LD WS TBG, RIH W/PROD TBG, NIP DN STACK, SET TAC @ 5445', INSTALL WELLHEAD, PU TOOLS. OPEN DN FLOW LINE, SWISDFN.
- 10-23-99 PREPARE & RIH W/INSERT PUMP & RODS, HUNG ON, PUMP TEST TO 600#, GOOD, RD PUMP EQUIP & RDMO, TURN TO PRODUCTION, FINAL REPORT.

**ExxonMobil Production Comp.**  
U.S. West  
P.O. Box 4358  
Houston, Texas 77210-4358

June 27, 2001

**ExxonMobil**  
*Production*

Mr. Jim Thompson  
State of Utah, Division of Oil, Gas and Mining  
1549 West North Temple  
Suite 1210  
Salt Lake City, UT 84114-5801

Change of Name – Mobil Oil Corporation to  
ExxonMobil Oil Corporation

Dear Mr. Thompson

Effective June 1, 2001, Mobil Oil Corporation (MOC) changed its name to ExxonMobil Oil Corporation (EMOC). This was a name change only; EMOC is the same corporation as Mobil Oil Corporation, but with a new name. No facility or other asset was transferred from one corporation to another by virtue of the name change. Specifically, EMOC will remain the owner and operator of its existing exploration and production oil and gas properties and facilities, as well as relevant permits.

There is no change to the name of Exxon Mobil Corporation, the ultimate shareholder of EMOC.

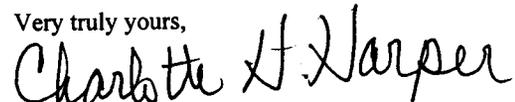
Please note the change of name of MOC to ExxonMobil Oil Corporation in your records pertaining to any MOC permits.

The Federal Identification Number for MOC (13-5401570) will remain the same for EMOC.

A copy of the Certification, Bond Rider and a list of wells are attached.

If you have any questions please feel free to call Joel Talavera at 713-431-1010

Very truly yours,



Charlotte H. Harper  
Permitting Supervisor

ExxonMobil Production Company  
a division of Exxon Mobil Corporation,  
acting for ExxonMobil Oil Corporation

RECEIVED

JUN 27 2001

DIVISION OF  
OIL, GAS AND MINING



# United States Department of the Interior

BUREAU OF INDIAN AFFAIRS

~~XXXXXXXXXXXXXX~~  
Navajo Area Office

NAVAJO REGION

P.O. Box 1060

Gallup, New Mexico 87305-1060

AUG 30 2001

IN REPLY REFER TO:

RRES/543

**CERTIFIED MAIL - RETURN RECEIPT REQUESTED**

Charlotte H. Harper, Permitting Supervisor  
Exxon Mobil Production Company  
U. S. West  
P. O. Box 4358  
Houston, TX 77210-4358

Dear Ms. Harper:

This is to acknowledge receipt of your company's name change from Mobil Oil Corporation to ExxonMobil Oil Corporation effective June 1, 2001. The receipt of documents includes the Name Change Certification, current listing of Officers and Directors, Listing of Leases, Financial Statement, filing fees of \$75.00 and a copy of the Rider for Bond Number 8027 31 97. There are no other changes.

Please note that we will provide copies of these documents to other concerned parties. If you need further assistance, you may contact Ms. Bertha Spencer, Realty Specialist, at (928) 871-5938.

Sincerely,

DEMMI DENETSONE

Regional Realty Officer

cc: BLM, Farmington Field Office w/enclosures ✓  
Navajo Nation Minerals Office, Attn: Mr. Akhtar Zaman, Director/w enclosures

MINERAL RESOURCES	
ADM 1	<i>DBM</i>
NATV AM MIN COORD	
SOLID MIN TEAM	
PETRO MENT TEAM	<i>2</i>
O & G INSPECT TEAM	
ALL TEAM LEADERS	
LAND RESOURCES	
ENVIRONMENT	
FILES	

**ExxonMobil Production Company**  
U.S. West  
P.O. Box 4358  
Houston, Texas 77210-4358

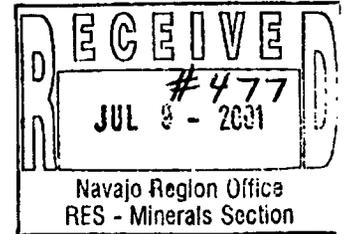
*File 7/12/2001*  
*SH*  
*543*  
*File*

June 27, 2001

**ExxonMobil**  
*Production*

Certified Mail  
Return Receipt Requested

Ms. Genni Denetsone  
United States Department of the Interior  
Bureau of Indian Affairs, Navajo Region  
Real Estate Services  
P. O. Box 1060  
Gallup, New Mexico 87305-1060  
Mail Code 543



Change of Name -  
Mobil Oil Corporation to  
ExxonMobil Oil Corporation

Dear Ms. Denetsone:

Effective June 1, 2001, Mobil Oil Corporation (MOC) changed its name to ExxonMobil Oil Corporation (EMOC). This was a name change only; EMOC is the same corporation as Mobil Oil Corporation, but with a new name. No facility or other asset was transferred from one corporation to another by virtue of the name change. Specifically, EMOC will remain the owner and operator of its existing exploration and production oil and gas properties and facilities, as well as relevant permits.

There is no change to the name of Exxon Mobil Corporation, the ultimate shareholder of EMOC.

Please note the change of name of MOC to ExxonMobil Oil Corporation in your records pertaining to any MOC permits.

The Federal Identification Number for MOC (13-5401570) will remain the same for EMOC.

Attached is the Name Change Certification, Current listing of Officers and Directors, Filing Fee of \$75/-, Listing of Leases, Financial Statement and a copy of the Rider for Bond number 8027 31 97. The original Bond Rider has been sent to Ms. Barbar Davis at your Washington Office.

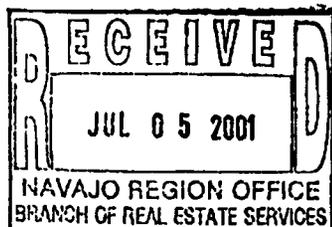
If you have any questions , please contact Alex Correa at (713) 431-1012.

Very truly yours,

*Charlotte H. Harper*

Charlotte H. Harper  
Permitting Supervisor

Attachments



ExxonMobil Production Company  
a division of Exxon Mobil Corporation,  
acting for ExxonMobil Oil Corporation

*NOTE: Check forwarded to Ella Isasi*

Bureau of Indian Affairs  
Navajo Region Office  
Attn: RRES - Mineral and Mining Section  
P.O. Box 1060  
Gallup, New Mexico 87305-1060

Gentlemen:

The current listing of officers and director of ExxonMobil Oil Corporation (Name of Corporation), of New York (State) is as follows:

OFFICERS

President	<u>F.A. Risch</u>	Address <u>5959 Las Colinas Blvd. Irving, TX 75039</u>
Vice President	<u>K.T. Koonce</u>	Address <u>800 Bell Street Houston, TX 77002</u>
Secretary	<u>F.L. Reid</u>	Address <u>5959 Las Colinas Blvd. Irving, TX 75039</u>
Treasure	<u>B.A. Maher</u>	Address <u>5959 Las Colinas Blvd. Irving, TX 75039</u>

DIRECTORS

Name	<u>D.D. Humphreys</u>	Address	<u>5959 Las Colinas Blvd. Irving, TX 75039</u>
Name	<u>P.A. Hanson</u>	Address	<u>5959 Las Colinas Blvd. Irving, TX 75039</u>
Name	<u>T.P. Townsend</u>	Address	<u>5959 Las Colinas Blvd. Irving, TX 75039</u>
Name	<u>B.A. Maher</u>	Address	<u>5959 Las Colinas Blvd. Irving, TX 75039</u>
Name	<u>F.A. Risch</u>	Address	<u>5959 Las Colinas Blvd. Irving, TX 75039</u>

Sincerely,



Alex Correa

This is to certify that the above information pertaining to ExxonMobil Oil Corporation (Corporation) is true and correct as evidenced by the records and accounts covering business for the State of Utah and in the custody of Corporation Service Company (Agent), Phone: 1 (800) 927-9800 whose business address is One Utah Center, 201 South Main Street, Salt Lake City, Utah 84111-2218



  
 \_\_\_\_\_  
 Signature  
AGENT AND ATTORNEY IN FACT  
 \_\_\_\_\_  
 Title

**CERTIFICATION**

I, the undersigned Assistant Secretary of ExxonMobil Oil Corporation. (formerly Mobil Oil Corporation), a corporation organized and existing under the laws of the State of New York, United States of America, DO HEREBY CERTIFY, That, the following is a true and exact copy of the resolutions adopted by the Board of Directors on May 22, 2001:

**CHANGE OF COMPANY NAME**

WHEREAS, the undersigned Directors of the Corporation deem it to be in the best interest of the Corporation to amend the Certificate of Incorporation of the Corporation to change the name and principal office of the Corporation:

NOW THEREFORE BE IT RESOLVED, That Article 1st relating to the corporate name is hereby amended to read as follows:

"1st The corporate name of said Company shall be,

ExxonMobil Oil Corporation",

FURTHER RESOLVED, That the amendment of the Corporation's Certificate of Incorporation referred to in the preceding resolutions be submitted to the sole shareholder of the Corporation entitled to vote thereon for its approval and, if such shareholder gives its written consent, pursuant to Section 803 of the Business Corporation Law of the State of New York, approving such amendment, the proper officers of the Corporation be, and they hereby are, authorized to execute in the name of the Corporation the Certificate of Amendment of Certificate of Incorporation, in the form attached hereto;

FURTHER RESOLVED, That the proper officers of the Corporation be and they hereby are authorized and directed to deliver, file and record in its behalf, the Certificate of Amendment of Certificate of Incorporation, and to take such action as may be deemed necessary or advisable to confirm and make effective in all respects the change of this Company's name to EXXONMOBIL OIL CORPORATION.

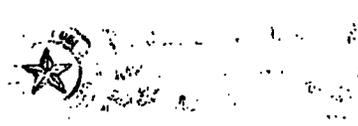
WITNESS, my hand and the seal of the Corporation at Irving, Texas, this 8th day of June, 2001.

S. A. Milligan  
Assistant Secretary

COUNTY OF DALLAS )  
STATE OF TEXAS )  
UNITED STATES OF AMERICA )

Sworn to and subscribed before me at Irving, Texas, U. S. A. on this the 8th day of June, 2001.

Janice M. Phillips  
Notary Public



**LISTING OF LEASES OF MOBIL OIL CORPORATION**

	<b>Lease Number</b>
1)	14-20-0603-6504
2)	14-20-0603-6505
3)	14-20-0603-6506
4)	14-20-0603-6508
5)	14-20-0603-6509
6)	14-20-0603-6510
7)	14-20-0603-7171
8)	14-20-0603-7172A
9)	14-20-600-3530
10)	14-20-603-359
11)	14-20-603-368
12)	14-20-603-370
13)	14-20-603-370A
14)	14-20-603-372
15)	14-20-603-372A
16)	14-20-603-4495
17)	14-20-603-5447
18)	14-20-603-5448
19)	14-20-603-5449
20)	14-20-603-5450
21)	14-20-603-5451

6/1/01

# CHUBB GROUP OF INSURANCE COMPANIES

One World Center South, Suite 1900, Houston, Texas 77027-3301  
Telephone: (713) 297-4600 • Facsimile: (713) 297-4750

*NW Bond*

**FEDERAL INSURANCE COMPANY RIDER**  
to be attached to and form a part of

**BOND NO 8027 31 97**

wherein

**Mobil Oil Corporation and Mobil Exploration and Producing U.S., Inc. is**  
named as Principal and

**FEDERAL INSURANCE COMPANY AS SURETY,**

in favor of **United States of America, Department of the Interior**  
**Bureau of Indian Affairs**

in the amount of **\$150,000.00**

bond date: **11/01/65**

IT IS HEREBY UNDERSTOOD AND AGREED THAT effective June 1, 2001  
the name of the Principal is changed

**FROM: Mobil Oil Corporation and Mobil Exploration and Producing U.S., Inc.**

**TO : ExxonMobil Oil Corporation**

All other terms and conditions of this Bond are unchanged.

Signed, sealed and dated this 12<sup>th</sup> of June, 2001.

**ExxonMobil Oil Corporation**

By:



**FEDERAL INSURANCE COMPANY**

By:



Mary Pierson, Attorney-in-fact



POWER OF ATTORNEY

Federal Insurance Company  
Vigilant Insurance Company  
Pacific Indemnity Company

Attn.: Surety Department  
15 Mountain View Road  
Warren, NJ 07059

Know All by These Presents, That FEDERAL INSURANCE COMPANY, an Indiana corporation, VIGILANT INSURANCE COMPANY, a New York corporation, and PACIFIC INDEMNITY COMPANY, a Wisconsin corporation, do each hereby constitute and appoint R. F. Bobo, Mary Pierson, Philana Berros, and Jody E. Specht of Houston, Texas-----

each as their true and lawful Attorney-in-Fact to execute under such designation in their names and to affix their corporate seals to and deliver for and on their behalf as surety thereon or otherwise, bonds and undertakings and other writings obligatory in the nature thereof (other than bail bonds) given or executed in the course of business, and any instruments amending or altering the same, and consents to the modification or alteration of any instrument referred to in said bonds or obligations.

In Witness Whereof, said FEDERAL INSURANCE COMPANY, VIGILANT INSURANCE COMPANY, and PACIFIC INDEMNITY COMPANY have each executed and attested these presents and affixed their corporate seals on this 10th day of May, 2001.

Kenneth C. Wendel  
Kenneth C. Wendel, Assistant Secretary

Frank E. Robertson  
Frank E. Robertson, Vice President

STATE OF NEW JERSEY } ss.  
County of Somerset

On this 10th day of May, 2001

before me, a Notary Public of New Jersey, personally came Kenneth C. Wendel, the companies which executed the foregoing Power of Attorney, and the said Kenneth C. Wendel being by me duly sworn, did depose and say that he is Assistant Secretary of FEDERAL INSURANCE COMPANY, VIGILANT INSURANCE COMPANY, and PACIFIC INDEMNITY COMPANY and knows the corporate seals thereof, that the seals affixed to the foregoing Power of Attorney are such corporate seals and were thereto affixed by authority of the By-Laws of said Companies; and that he signed said Power of Attorney as Assistant Secretary of said Companies by like authority; and that he is acquainted with Frank E. Robertson, and knows him to be Vice President of said Companies; and that the signature of Frank E. Robertson, subscribed to said Power of Attorney is in the genuine handwriting of Frank E. Robertson; and that the signature of said Notary Public is in the presence of said Notary Public.



Notary Public State of New Jersey  
No. 2231647

Karen A. Price  
Notary Public

Commission Expires Oct 28, 2004

Extract from the By-Laws of FEDERAL INSURANCE COMPANY, VIGILANT INSURANCE COMPANY, and PACIFIC INDEMNITY COMPANY:

"All powers of attorney for and on behalf of the Company may and shall be executed in the name and on behalf of the Company, either by the Chairman or the President or a Vice President or an Assistant Vice President, jointly with the Secretary or an Assistant Secretary, under their respective designations. The signature of such officers may be engraved, printed or lithographed. The signature of each of the following officers: Chairman, President, any Vice President, any Assistant Vice President, any Secretary, any Assistant Secretary and the seal of the Company may be affixed by facsimile to any power of attorney or to any certificate relating thereto appointing Assistant Secretaries or Attorneys-in-Fact for purposes only of executing and attesting bonds and undertakings and other writings obligatory in the nature thereof, and any such power of attorney or certificate bearing such facsimile signature or facsimile seal shall be valid and binding upon the Company and any such power so executed and certified by such facsimile signature and facsimile seal shall be valid and binding upon the Company with respect to any bond or undertaking to which it is attached."

I, Kenneth C. Wendel, Assistant Secretary of FEDERAL INSURANCE COMPANY, VIGILANT INSURANCE COMPANY, and PACIFIC INDEMNITY COMPANY (the "Companies") do hereby certify that

- (i) the foregoing extract of the By-Laws of the Companies is true and correct,
- (ii) the Companies are duly licensed and authorized to transact surety business in all 50 of the United States of America and the District of Columbia and are authorized by the U. S. Treasury Department; further, Federal and Vigilant are licensed in Puerto Rico and the U. S. Virgin Islands, and Federal is licensed in American Samoa, Guam, and each of the Provinces of Canada except Prince Edward Island; and
- (iii) the foregoing Power of Attorney is true, correct and in full force and effect.

Given under my hand and seals of said Companies at Warren, NJ this 12th day of June, 2001



Kenneth C. Wendel  
Kenneth C. Wendel, Assistant Secretary

IN THE EVENT YOU WISH TO NOTIFY US OF A CLAIM, VERIFY THE AUTHENTICITY OF THIS BOND OR NOTIFY US OF ANY OTHER MATTER, PLEASE CONTACT US AT ADDRESS LISTED ABOVE, OR BY Telephone (908) 903-3485 Fax (908) 903-3656 e-mail: surety@chubb.com

CSC

5184334741

06/01 '01 08:46 NO.410 03/05

CSC

06/01 '01 09:06 NO.135 02/04

F010601000187

**CERTIFICATE OF AMENDMENT**  
**OF**  
**CERTIFICATE OF INCORPORATION**  
**OF**  
**MOBIL OIL CORPORATION**

CSC 45

(Under Section 805 of the Business Corporation Law)

Pursuant to the provisions of Section 805 of the Business Corporation Law, the undersigned President and Secretary, respectively, of Mobil Oil Corporation hereby certify:

**FIRST:** That the name of the corporation is **MOBIL OIL CORPORATION** and that said corporation was incorporated under the name of Standard Oil Company of New York.

**SECOND:** That the Certificate of Incorporation of the corporation was filed by the Department of State, Albany, New York, on the 10th day of August, 1882.

**THIRD:** That the amendments to the Certificate of Incorporation effected by this Certificate are as follows:

(a) Article 1st of the Certificate of Incorporation, relating to the corporate name, is hereby amended to read as follows:

"1st: The corporate name of said Company shall be,  
**ExxonMobil Oil Corporation**,"

(b) Article 7th of the Certificate of Incorporation, relating to the office of the corporation is hereby amended to read as follows:

The office of the corporation within the State of New York is to be located in the County of Albany. The Company shall have offices at such other places as the Board of Directors may from time to time determine.

CSC  
CSC

5184334741

06/01 '01 08:47 NO.410 04/05  
06/01 '01 09:00 NO.133 03/04

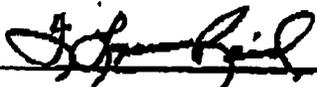
FOURTH: That the amendments to the Certificate of Incorporation were authorized by the Board of Directors followed by the holder of all outstanding shares entitled to vote on amendments to the Certificate of Incorporation by written consent of the sole shareholder dated May 22, 2001.

IN WITNESS WHEREOF, this Certificate has been signed this 22nd Day of May, 2001.

  
\_\_\_\_\_  
F. A. Risch, President 

STATE OF TEXAS            )  
COUNTY OF DALLAS        )

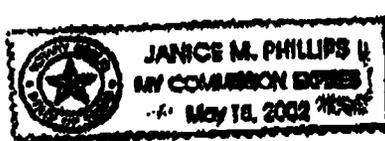
F. L. REID, being duly sworn, deposes and says that he is the Secretary of MOBIL OIL CORPORATION, the corporation mentioned and described in the foregoing instrument; that he has read and signed the same and that the statements contained therein are true.

  
\_\_\_\_\_  
F. L. REID, Secretary

SUBSCRIBED AND SWORN TO before me, the undersigned authority, on this the 22nd day of May, 2001.

[SEAL]

  
\_\_\_\_\_  
NOTARY PUBLIC, STATE OF TEXAS



CSC  
CSC

5184334741

06/01 '01 09:01 NO. 411 02/02  
06/01 '01 09:00 NO. 152 04/04  
**F010601000187**

**CSC 45**

**CERTIFICATE OF AMENDMENT**

**OF**

**MOBIL OIL CORPORATION**

**Under Section 805 of the Business Corporation Law**

*SAC*

**STATE OF NEW YORK  
DEPARTMENT OF STATE**

*100 cc*

Filed by: EXXONMOBIL CORPORATION

FILED JUN 01 2001

(Name)

TAX \$ \_\_\_\_\_

6949 Las Colinas Blvd.

BY: *SAC*

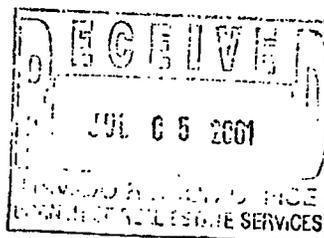
(Mailing address)

*ny Albany*

Irving, TX 75039-2298

(City, State and Zip code)

*Case Ref # 165578 MPJ*



**010601000195**

*State of New York*    )  
*Department of State* } *ss:*

*I hereby certify that the annexed copy has been compared with the original document in the custody of the Secretary of State and that the same is a true copy of said original.*

*Witness my hand and seal of the Department of State on*    **JUN 01 2001**



A handwritten signature in black ink, appearing to read "J. H. ...", with a long horizontal line extending to the right.

*Special Deputy Secretary of State*

**OPERATOR CHANGE WORKSHEET**

1. GLH
2. CDW
3. FILE

Change of Operator (Well Sold)

Designation of Agent

**X Operator Name Change**

Merger

The operator of the well(s) listed below has changed, effective: <b>06-01-2001</b>	
<b>FROM: (Old Operator):</b>	<b>TO: (New Operator):</b>
MOBIL EXPLORATION & PRODUCTION	EXXONMOBIL OIL CORPORATION
Address: P O BOX DRAWER "G"	Address: U S WEST P O BOX 4358
CORTEZ, CO 81321	HOUSTON, TX 77210-4358
Phone: 1-(970)-564-5212	Phone: 1-(713)-431-1010
Account No. N7370	Account No. N1855

**CA No. Unit: RATHERFORD**

**WELL(S)**

NAME	SEC TWN RNG	API NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS
RATHERFORD UNIT 19-13	19-41S-24E	43-037-31719	6280	INDIAN	OW	P
RATHERFORD UNIT 19-24 (MULTI-LEG)	19-41S-24E	43-037-31754	6280	INDIAN	OW	P
RATHERFORD UNIT 20-44	20-41S-24E	43-037-30915	6280	INDIAN	OW	P
20-13	20-41S-24E	43-037-30917	6280	INDIAN	OW	P
20-24	20-41S-24E	43-037-30918	6280	INDIAN	OW	P
20-22	20-41S-24E	43-037-30930	6280	INDIAN	OW	P
RATHERFORD UNIT 20-33	20-41S-24E	43-037-30931	6280	INDIAN	OW	S
RATHERFORD UNIT 20-11	20-41S-24E	43-037-31049	6280	INDIAN	OW	S
RATHERFORD UNIT 20-31	20-41S-24E	43-037-31050	6280	INDIAN	OW	P
RATHERFORD UNIT 20-42	20-41S-24E	43-037-31051	6280	INDIAN	OW	P
RATHERFORD 20-68	20-41S-24E	43-037-31591	6280	INDIAN	OW	P
RATHERFORD 20-66	20-41S-24E	43-037-31592	6280	INDIAN	OW	P
21-23	21-41S-24E	43-037-13754	6280	INDIAN	OW	S
21-32	21-41S-24E	43-037-15755	6280	INDIAN	OW	S
21-34	21-41S-24E	43-037-15756	6280	INDIAN	OW	S
RATHERFORD UNIT 21-11	21-41S-24E	43-037-31052	6280	INDIAN	OW	S
RATHERFORD UNIT 21-24	21-41S-24E	43-037-31720	6280	INDIAN	OW	P
RATHERFORD UNIT 21-77	21-41S-24E	43-037-31758	6280	INDIAN	OW	S
RATHERFORD UNIT 28-11	28-41S-24E	43-037-30446	6280	INDIAN	OW	P
29-34	29-41S-24E	43-037-15340	6280	INDIAN	OW	P

**OPERATOR CHANGES DOCUMENTATION**

Enter date after each listed item is completed

- (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 06/29/2001
- (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 06/29/2001
- The new company has been checked through the **Department of Commerce, Division of Corporations Database** on: 04/09/2002
- Is the new operator registered in the State of Utah: YES Business Number: 579865-0143
- If **NO**, the operator was contacted on: N/A

6. **Federal and Indian Lease Wells:** The BLM and or the BIA has approved the merger, name change, or operator change for all wells listed on Federal or Indian leases on: BIA-06/01/01

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7. **Federal and Indian Units:**

The BLM or BIA has approved the successor of unit operator for wells listed on: 06/01/2001

---

8. **Federal and Indian Communization Agreements ("CA"):**

The BLM or BIA has approved the operator for all wells listed within a CA on: N/A

---

9. **Underground Injection Control ("UIC")** The Division has approved UIC Form 5, **Transfer of Authority to Inject**, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: N/A

---

**DATA ENTRY:**

1. Changes entered in the **Oil and Gas Database** on: 04/15/2002
2. Changes have been entered on the **Monthly Operator Change Spread Sheet** on: 04/15/2002
3. Bond information entered in RBDMS on: N/A
4. Fee wells attached to bond in RBDMS on: N/A

---

**STATE WELL(S) BOND VERIFICATION:**

1. State well(s) covered by Bond Number: N/A

---

**FEDERAL WELL(S) BOND VERIFICATION:**

1. Federal well(s) covered by Bond Number: N/A

---

**INDIAN WELL(S) BOND VERIFICATION:**

1. Indian well(s) covered by Bond Number: 80273197

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**FEE WELL(S) BOND VERIFICATION:**

1. (R649-3-1) The **NEW** operator of any fee well(s) listed covered by Bond Number N/A
2. The **FORMER** operator has requested a release of liability from their bond on: N/A  
The Division sent response by letter on: N/A

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**LEASE INTEREST OWNER NOTIFICATION:**

3. (R649-2-10) The **FORMER** operator of the fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: N/A

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**COMMENTS:**

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Division of Oil, Gas and Mining  
**OPERATOR CHANGE WORKSHEET**

<b>ROUTING</b>
1. DJJ
2. CDW

**X Change of Operator (Well Sold)**

Operator Name Change/Merger

The operator of the well(s) listed below has changed, effective: <u>6/1/2006</u>	
<b>FROM:</b> (Old Operator): N1855-ExxonMobil Oil Corporation PO Box 4358 Houston, TX 77210-4358 Phone: 1 (281) 654-1936	<b>TO:</b> ( New Operator): N2700-Resolute Natural Resources Company 1675 Broadway, Suite 1950 Denver, CO 80202 Phone: 1 (303) 534-4600
<b>CA No.</b>	<b>Unit:</b> <b>RATHERFORD</b>

**OPERATOR CHANGES DOCUMENTATION**

Enter date after each listed item is completed

- (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 4/21/2006
- (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 4/24/2006
- The new company was checked on the **Department of Commerce, Division of Corporations Database** on: 6/7/2006
- Is the new operator registered in the State of Utah: YES Business Number: 5733505-0143
- If **NO**, the operator was contacted on:
- (R649-9-2) Waste Management Plan has been received on: requested
- Inspections of LA PA state/fee well sites complete on: n/a
- Reports current for Production/Disposition & Sundries on: ok
- Federal and Indian Lease Wells:** The BLM and or the BIA has approved the merger, name change, or operator change for all wells listed on Federal or Indian leases on: BLM n/a BIA not yet
- Federal and Indian Units:**  
The BLM or BIA has approved the successor of unit operator for wells listed on: not yet
- Federal and Indian Communization Agreements ("CA"):**  
The BLM or BIA has approved the operator for all wells listed within a CA on: n/a
- Underground Injection Control ("UIC")** The Division has approved UIC Form 5, **Transfer of Authority to Inject**, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: 6/12/2006

**DATA ENTRY:**

- Changes entered in the **Oil and Gas Database** on: 6/22/2006
- Changes have been entered on the **Monthly Operator Change Spread Sheet** on: 6/22/2006
- Bond information entered in RBDMS on: n/a
- Fee/State wells attached to bond in RBDMS on: n/a
- Injection Projects to new operator in RBDMS on: 6/22/2006
- Receipt of Acceptance of Drilling Procedures for APD/New on: n/a

**BOND VERIFICATION:**

- Federal well(s) covered by Bond Number: n/a
- Indian well(s) covered by Bond Number: PA002769
- (R649-3-1) The **NEW** operator of any fee well(s) listed covered by Bond Number n/a
- The **FORMER** operator has requested a release of liability from their bond on: n/a  
The Division sent response by letter on: n/a

**LEASE INTEREST OWNER NOTIFICATION:**

- (R649-2-10) The **FORMER** operator of the fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: n/a

**COMMENTS:**

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**STATE OF UTAH**  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

FORM 9

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <u>Unit Agreement</u>		5. LEASE DESIGNATION AND SERIAL NUMBER: <u>See attached list</u>
2. NAME OF OPERATOR: <u>Resolute Natural Resources Company</u> <u>N2700</u>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: <u>Navajo Tribe</u>
3. ADDRESS OF OPERATOR: <u>1675 Broadway, Suite 1950</u> CITY <u>Denver</u> STATE <u>CO</u> ZIP <u>80202</u>		7. UNIT or CA AGREEMENT NAME: <u>Ratherford Unit</u>
4. LOCATION OF WELL FOOTAGES AT SURFACE: <u>See attached list</u>		8. WELL NAME and NUMBER: <u>See attached list</u>
4. LOCATION OF WELL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: _____		9. API NUMBER: <u>Attached</u>
		10. FIELD AND POOL, OR WILDCAT: <u>Greater Aneth</u>
		COUNTY: <u>San Juan</u>
		STATE: <u>UTAH</u>

**11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA**

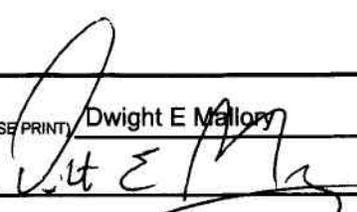
TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input checked="" type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> OTHER: _____
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Effective June 1, 2006 Exxon Mobil Oil Corporation resigns as operator of the Ratherford Unit. Also effective June 1, 2006 Resolute Natural Resources Company is designated as successor operator of the Ratherford Unit.

A list of affected producing and water source wells is attached. A separate of affected injection wells is being submitted with UIC Form 5, Transfer of Authority to Inject.

As of the effective date, bond coverage for the affected wells will transfer to BIA Bond # PA002769.

NAME (PLEASE PRINT) <u>Dwight E Mallory</u>	TITLE <u>Regulatory Coordinator</u>
SIGNATURE 	DATE <u>4/20/2006</u>

(This space for State use only)

**APPROVED** 6127106  
Earlene Russell  
Division of Oil, Gas and Mining  
Earlene Russell, Engineering Technician

**RECEIVED**  
**APR 24 2006**  
DIV. OF OIL, GAS & MINING

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

FORM 9

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER _____		5. LEASE DESIGNATION AND SERIAL NUMBER:
2. NAME OF OPERATOR: ExxonMobil Oil Corporation <i>N1855</i>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: Ship Rock
3. ADDRESS OF OPERATOR: P.O. Box 4358 CITY Houston STATE TX ZIP 77210-4358		7. UNIT or CA AGREEMENT NAME: UTU68931A
4. LOCATION OF WELL FOOTAGES AT SURFACE:  QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:		8. WELL NAME and NUMBER: Ratherford
PHONE NUMBER: (281) 654-1936		9. API NUMBER: attached
COUNTY: San Juan		10. FIELD AND POOL, OR WILDCAT: Aneth
STATE: UTAH		

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: <u>6/1/2006</u>	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
<input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion:	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input checked="" type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> OTHER: _____
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

ExxonMobil Oil Corporation is transferring operatorship of Greater Aneth field, Ratherford lease to Resolute Natural Resources Company. All change of operator notices should be made effective as of 7:00 AM MST on June 1, 2006.

Attached please find a listing of producers and water source wells included in the transfer.

NAME (PLEASE PRINT) <u>Laurie Kilbride</u>	TITLE <u>Permitting Supervisor</u>
SIGNATURE <i>Laurie B. Kilbride</i>	DATE <u>4/19/2006</u>

(This space for State use only) **APPROVED** 6/13/06  
*Earlene Russell*  
Division of Oil, Gas and Mining  
Earlene Russell, Engineering Technician

**RECEIVED**  
**APR 21 2006**  
DIV. OF OIL, GAS & MINING

# Ratherford Unit - Producer Well List

minus P&A's

Lease	Number	API #	Status	Lease #	Location					
					Sec	T	R	QTR/QTR	NSFoot	EWFoot
Ratherford	01-14	430373116200S1	Producing	1420603246A	1	41S	23E	SWSW	0660FSL	0660FWL
Ratherford	01-34	430371638501S1	SI	1420603246A	1	41S	23E	SWSE	1133FSL	1980FEL
Ratherford	11-41	430373154400S1	Producing	1420603246A	11	41S	23E	NENE	0860FNL	0350FEL
Ratherford	11-43	430373162201S1	Producing	1420603246A	11	41S	23E	NESE	1980FSL	0660FEL
Ratherford	12-12	430373119000S1	Producing	1420603246A	12	41S	23E	SWNW	1850FNL	0660FWL
Ratherford	12-14	430371584400S1	SI	1420603246A	12	41S	23E	SWSW	0660FSL	4622FEL
Ratherford	12-21	430373120100S1	Producing	1420603246A	12	41S	23E	NENW	0660FNL	1980FWL
Ratherford	12-23	430371584601S1	Producing	1420603246A	12	41S	23E	NESW	1958FSL	3300FEL
Ratherford	12-32	430373120300S1	Producing	1420603246A	12	41S	23E	SWNE	1820FNL	1820FEL
Ratherford	12-34	430373112600S1	Producing	1420603246A	12	41S	23E	SWSE	0675FSL	1905FEL
Ratherford	12-43	430373120200S1	SI	1420603246A	12	41S	23E	NESE	2100FSL	0660FEL
Ratherford	13-12	430373112701S1	Producing	1420603247A	13	41S	23E	SWNW	1705FNL	0640FWL
Ratherford	13-14	430373158900S1	Producing	1420603247A	13	41S	23E	SWSW	0660FSL	0660FWL
Ratherford	13-21	430373112801S1	SI	1420603247A	13	41S	23E	NENW	0660FNL	1920FWL
Ratherford	13-23	430373112900S1	Producing	1420603247A	13	41S	23E	NESW	1980FSL	1930FWL
Ratherford	13-34	430373113001S1	Producing	1420603247A	13	41S	23E	SWSE	0660FSL	1980FEL
Ratherford	13-41	430371585601S1	Producing	1420603247A	13	41S	23E	NENE	660FNL	660FEL
Ratherford	13-43	430373113100S1	Producing	1420603247A	13	41S	23E	NESE	1700FSL	0960FEL
Ratherford	14-32	430371585801S1	Producing	1420603247A	14	41S	23E	SWNE	2130FNL	1830FEL
Ratherford	14-41	430373162300S1	Producing	1420603247A	14	41S	23E	NENE	0521FNL	0810FEL
Ratherford	24-32	430373159300S1	Producing	1420603247A	24	41S	23E	SWNE	2121FNL	1846FEL
Ratherford	24-41	430373113200S1	Producing	1420603247A	24	41S	23E	NENE	0660FNL	0710FEL
Ratherford	17-11	430373116900S1	Producing	1420603353	17	41S	24E	NWNW	1075FNL	0800FWL
Ratherford	17-13	430373113301S1	Producing	1420603353	17	41S	24E	NWSW	2100FSL	0660FWL
Ratherford	17-22	430373117001S1	Producing	1420603353	17	41S	24E	SENW	1882FNL	1910FWL
Ratherford	17-24	430373104400S1	Producing	1420603353	17	41S	24E	SESW	0720FSL	1980FWL
Ratherford	17-31	430373117800S1	Producing	1420603353	17	41S	24E	NWNE	0500FNL	1980FEL
Ratherford	17-33	430373113400S1	Producing	1420603353	17	41S	24E	NWSE	1980FSL	1845FEL
Ratherford	17-42	430373117700S1	Producing	1420603353	17	41S	24E	SENE	1980FNL	0660FEL
Ratherford	17-44	430371573201S1	Producing	1420603353	17	41S	24E	SESE	0660FSL	0660FEL
Ratherford	18-11	430371573300S1	SI	1420603353	18	41S	24E	NWNW	0720FNL	0730FWL
Ratherford	18-13	430371573401S1	Producing	1420603353	18	41S	24E	NWSW	1980FSL	0500FWL
Ratherford	18-22	430373123600S1	Producing	1420603353	18	41S	24E	SENW	2200FNL	2210FWL
Ratherford	18-24	430373107900S1	Producing	1420603353	18	41S	24E	SESW	0760FSL	1980FWL
Ratherford	18-31	430373118101S1	Producing	1420603353	18	41S	24E	NWNE	0795FNL	2090FEL
Ratherford	18-33	430373113501S1	Producing	1420603353	18	41S	24E	NWSE	1870FSL	1980FEL
Ratherford	18-42	430373118200S1	Producing	1420603353	18	41S	24E	SENE	2120FNL	0745FEL
Ratherford	18-44	430373104500S1	SI	1420603353	18	41S	24E	SESE	0660FSL	0660FEL
Ratherford	19-11	430373108000S1	Producing	1420603353	19	41S	24E	NWNW	0660FNL	0660FWL
Ratherford	19-13	430373171900S1	Producing	1420603353	19	41S	24E	NWSW	1980FSL	0660FWL
Ratherford	19-22	430373104601S1	Producing	1420603353	19	41S	24E	SENW	1840FNL	1980FWL
Ratherford	19-24	430373175401S1	Producing	1420603353	19	41S	24E	SESW	0600FSL	1980FWL
Ratherford	19-31	430373104701S1	Producing	1420603353	19	41S	24E	NWNE	510FNL	1980FEL
Ratherford	19-33	430373104800S1	Producing	1420603353	19	41S	24E	NWSE	1980FSL	1980FEL
Ratherford	19-42	430373091600S1	Producing	1420603353	19	41S	24E	SENE	1880FNL	0660FEL
Ratherford	19-44	430373108100S1	Producing	1420603353	19	41S	24E	SESE	0660FSL	0660FEL
Ratherford	19-97	430373159600S1	Producing	1420603353	19	41S	24E	SENE	2562FNL	0030FEL
Ratherford	20-11	430373104900S1	Producing	1420603353	20	41S	24E	NWNW	0500FNL	0660FWL
Ratherford	20-13	430373091700S1	Producing	1420603353	20	41S	24E	NWSW	2140FSL	0500FWL
Ratherford	20-22	430373093000S1	Producing	1420603353	20	41S	24E	SENW	2020FNL	2090FWL
Ratherford	20-24	430373091800S1	Producing	1420603353	20	41S	24E	SESW	0820FSL	1820FWL

# Ratherford Unit - Producer Well List

minus P&A's

Lease	Number	API #	Status	Lease #	Location					
					Sec	T	R	QTR/QTR	NSFoot	EWFoot
Ratherford	20-31	430373105001S1	Producing	1420603353	20	41S	24E	NWNE	0660FNL	1880FEL
Ratherford	20-33	430373093100S1	Producing	1420603353	20	41S	24E	NWSE	1910FSL	2140FEL
Ratherford	20-42	430373105100S1	Producing	1420603353	20	41S	24E	SENE	1980FNL	0660FEL
Ratherford	20-44	430373091501S1	Producing	1420603353	20	41S	24E	SESE	0620FSL	0760FEL
Ratherford	20-66	430373159201S1	Producing	1420603353	20	41S	24E	SWNW	1369FNL	1221FWL
Ratherford	20-68	430373159100S1	Producing	1420603353	20	41S	24E	NWSW	1615FSL	1276FWL
Ratherford	15-12	430371571501S1	Producing	1420603355	15	41S	24E	SWNW	1820FNL	0500FWL
Ratherford	15-22	430373044900S1	SI	1420603355	15	41S	24E	SENE	1980FNL	2050FWL
Ratherford	15-32	430371571700S1	Producing	1420603355	15	41S	24E	SWNE	1980FNL	1980FEL
Ratherford	15-33	430371571800S1	Producing	1420603355	15	41S	24E	NWSE	1650FSL	1980FEL
Ratherford	15-41	430371571900S1	TA	1420603355	15	41S	24E	NENE	0660FNL	0660FEL
Ratherford	15-42	430373044800S1	Producing	1420603355	15	41S	24E	SENE	2020FNL	0820FEL
Ratherford	16-13	430373116801S1	Producing	1420603355	16	41S	24E	NWSW	1980FSL	660FWL
Ratherford	16-32	430371572300S1	Producing	1420603355	16	41S	24E	SWNE	1980FNL	1980FEL
Ratherford	16-41	430371572500S1	Producing	1420603355	16	41S	24E	NENE	0660FNL	0660FEL
Ratherford	16-77	430373176800S1	Producing	1420603355	16	41S	24E	NESW	2587FSL	2410FWL
Ratherford	21-23	430371375400S1	Producing	1420603355	21	41S	24E	NESW	1740FSL	1740FWL
Ratherford	21-24	430373172001S1	SI	1420603355	21	41S	24E	SESW	487FSL	2064FWL
Ratherford	21-32	430371575500S1	SI	1420603355	21	41S	24E	SWNE	1880FNL	1980FEL
Ratherford	21-77	430373175801S1	SI	1420603355	21	41S	24E	NWSE	2511FSL	2446FEL
Ratherford	07-11	430373116300S1	Producing	1420603368	7	41S	24E	NWNW	0660FNL	0710FWL
Ratherford	07-13	430373116400S1	Producing	1420603368	7	41S	24E	NWSW	2110FSL	0740FWL
Ratherford	07-22	430373116500S1	Producing	1420603368	7	41S	24E	SENE	1980FNL	1980FWL
Ratherford	07-24	430373116600S1	Producing	1420603368	7	41S	24E	SESW	0880FSL	2414FWL
Ratherford	07-44	430373118900S1	SI	1420603368	7	41S	24E	SESE	0737FSL	0555FEL
Ratherford	08-12	430371599100S1	Producing	1420603368	8	41S	24E	SWNW	1909FNL	0520FWL
Ratherford	08-21	430371599300S1	Producing	1420603368	8	41S	24E	NENW	0616FNL	1911FWL
Ratherford	08-23	430371599400S1	Producing	1420603368	8	41S	24E	NESW	1920FSL	2055FWL
Ratherford	08-32	430371599500S1	Producing	1420603368	8	41S	24E	SWNE	1980FNL	1980FEL
Ratherford	08-34	430371599600S1	Producing	1420603368	8	41S	24E	SWSE	0660FSL	1980FEL
Ratherford	04-34	430371616400S1	Producing	14206034035	4	41S	24E	SWSE	0660FSL	1980FEL
Ratherford	11-14	430371616700S1	Producing	14206034037	11	41S	24E	SWSW	0660FSL	0660FWL
Ratherford	09-34	430371571100S1	SI	14206034043	9	41S	24E	SWSE	0660FSL	1980FEL
Ratherford	10-12	430371571200S1	Producing	14206034043	10	41S	24E	SWNW	1980FNL	0660FWL
Ratherford	10-14	430371571300S1	Producing	14206034043	10	41S	24E	SWSW	0510FSL	0710FWL
Ratherford	10-32	430371571400S1	TA	14206034043	10	41S	24E	SWNE	2080FNL	1910FEL
Ratherford	10-44	430373045100S1	TA	14206034043	10	41S	24E	SESE	0820FSL	0510FEL
Ratherford	29-11	430373105300S1	Producing	1420603407	29	41S	24E	NWNW	0770FNL	0585FWL
Ratherford	29-22	430373108200S1	Producing	1420603407	29	41S	24E	SENE	2130FNL	1370FWL
Ratherford	29-31	430373091401S1	Producing	1420603407	29	41S	24E	NWNE	0700FNL	2140FEL
Ratherford	29-33	430373093200S1	SI	1420603407	29	41S	24E	NWSE	1860FSL	1820FEL
Ratherford	29-34	430371534000S1	SI	1420603407	29	41S	24E	SWSE	0817FSL	2096FEL
Ratherford	29-42	430373093700S1	SI	1420603407	29	41S	24E	SENE	1850FNL	0660FEL
Ratherford	30-32	430371534200S1	Producing	1420603407	30	41S	24E	SWNE	1975FNL	2010FEL
Ratherford	28-11	430373044600S1	Producing	1420603409	28	41S	24E	NWNW	0520FNL	0620FWL

# Ratherford Unit - Producer Well List

minus P&A's

Lease	Number	API #	Status	Lease #	Location					
					Sec	T	R	QTR/QTR	NSFoot	EWFoot
Ratherford	09-12	430371512600S1	Producing	14206035045	9	41S	24E	SWNW	1865FNL	0780FWL
Ratherford	09-14	430371512700S1	Producing	14206035046	9	41S	24E	SWSW	0695FSL	0695FWL
Ratherford	04-14	430371616300S1	Producing	14206035446	4	41S	24E	SWSW	0500FSL	0660FWL
Ratherford	03-12	430371562000S1	Producing	14206036506	3	41S	24E	SWNW	2140FNL	0660FWL

## Water Source Wells (Feb 2006)

RU	S1	4303700001	Active
RU	S2	4303700002	Active
RU	S3	4303700003	Active
RU	S4	4303700004	Active
RU	S5	4303700005	Active
RU	S6	4303700006	Active
RU	S7	4303700007	Active
RU	S8	4303700008	Active
RU	S9	4303700009	Active
RU	S10	4303700010	Active
RU	S11	4303700011	Active
RU	S12	4303700012	Active
RU	S13	4303700013	Active
RU	S14	4303700014	Active
RU	S16	4303700016	Active
RU	S17	4303700017	Active